TOSHIBA

Introduction 2

Basic playback 14

Advanced playback 24

Function setup 34

Connections 44

Others 52

PORTABLE DVD PLAYER

SD-P1000

OWNER'S MANUAL

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ⒶⓈ XZ2029P005

SAFETY PRECAUTIONS

CAUTION: This equipment employs a Laser System.
To ensure proper use of this product, please read this owner's manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.
Visible and invisible laser radiation when open and interlocks defeated.
DO NOT STARE INTO BEAM.

FCC NOTICE "Declaration of Conformity Information"
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Only peripherals complying with the FCC class B limits may be attached to this equipment. Operation with non-compliant peripherals or peripherals not recommended by Toshiba is likely to result in interference to radio and TV reception.
Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

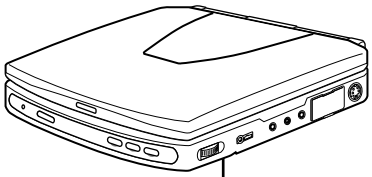
In the spaces provided below, record the Model and Serial No. located on the bottom of your DVD player.

Model No. _____ Serial No. _____

Retain this information for future reference.

Location of the required label

TOSHIBA
PORTABLE DVD PLAYER MODEL NO. SD-P1000
DC 15V ⎓
2A
PRODUCT IS CERTIFIED BY THE MANUFACTURER TO COMPLY WITH DHHS RULE 21 CFR SUBCHAPTER J APPLICABLE AT THE DATE OF MANUFACTURE.
FC Tested To Comply With FCC Standards
FOR HOME OR OFFICE USE
MANUFACTURED
SERIAL NO.
TOSHIBA CORPORATION MADE IN JAPAN
1-1,SHIBAURA 1-CHOME,MINATO-KU,TOKYO 105-8001,JAPAN
THIS CLASS B DIGITAL APPARATUS COMPLIES WITH CANADIAN ICE-003.
CET APPAREIL NUMÉRIQUE DE LA CLASS B EST CONFORME À LA NORME NMB-003 DU CANADA.



IMPORTANT SAFETY INSTRUCTIONS

CAUTION: PLEASE READ AND OBSERVE ALL WARNINGS AND INSTRUCTIONS GIVEN IN THIS OWNER'S MANUAL AND THOSE MARKED ON THE UNIT. RETAIN THIS BOOKLET FOR FUTURE REFERENCE.

This set has been designed and manufactured to assure personal safety. Improper use can result in electric shock or fire hazard. The safeguards incorporated in this unit will protect you if you observe the following procedures for installation, use and servicing. This unit is fully transistorized and does not contain any parts that can be repaired by the user.

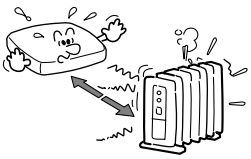
DO NOT REMOVE THE CABINET COVER, OR YOU MAY BE EXPOSED TO DANGEROUS VOLTAGE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL ONLY.

1. Read owner's manual
   After unpacking this product, read the owner's manual carefully, and follow all the operating and other instructions.

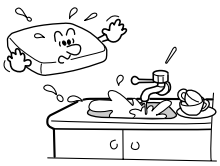
2. Power Sources
   This product should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.

3. Ventilation
   Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

4. Heat
   The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



5. Water and Moisture
   Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool and the like.

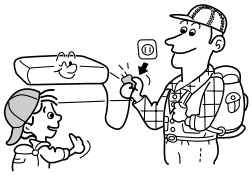


6. Cleaning
   Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

7. Power-Cord Protection
Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.

8. Overloading
Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

9. Lightning
For added protection for this product during an electrical storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.

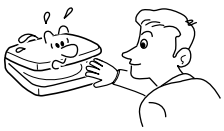


10. Object and Liquid Entry
Never insert objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

11. Attachments
Do not use attachments not recommended by the product manufacturer as they may cause hazards.

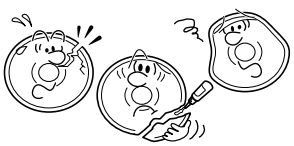
12. Accessories
Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.

13. Lid
Be careful not to catch your fingers in the disc holder when closing the lid. It may cause personal injury.



14. Headphones
When you use headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.

15. Disc
Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and product malfunction.



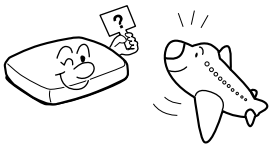
16. Disc Spin
Do not touch a spinning disc. When you open the disc holder, the disc may have not stopped spinning. Touching a spinning disc may cause personal injury or damage to the product.

IMPORTANT SAFETY INSTRUCTIONS

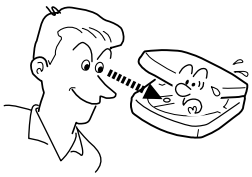
17. Heating up
Do not use the product on your lap or other parts of body, as it may become heated. Even low temperature may cause inflaming or blistering, if touched for a prolonged period.

18. Supplied AC Adapter
Use the supplied AC adapter to operate the product. Substitute devices not specified by the manufacturer may result in fire or product malfunction.

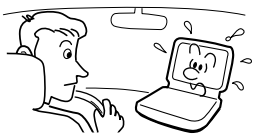
19. Airline Passengers
When you use this product in an airplane, follow the instructions of the airline. Disregarding them may cause harmful interference to radio communication.



20. Pick-up Lens and Laser Beam
Do not look close the pick-up lens or stare into laser beam. Doing so may cause damage to eyesight.



21. Traffic
Do not use this product while walking or driving. Neglecting this may cause a traffic accident.

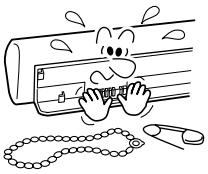


22. LCD
Should the LCD panel be broken and liquid leaks out, do not inhale or swallow it. Doing so may cause poisoning.
If you have got it into your mouth, wash it out and consult your doctor. If your hands or clothes have touched it, wipe them with alcohol and a cleaning cloth and then wash them well.

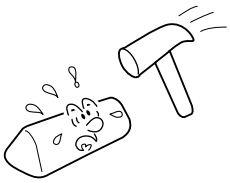
23. Battery Pack
a) Never throw the battery pack into a fire, as that could cause the battery pack to explode.
Never heat the battery pack, as that could cause leakage of alkaline solution or other electrolytic substance.

b) Never disassemble the battery pack, as that could cause leakage of alkaline solution or other electrolytic substance.

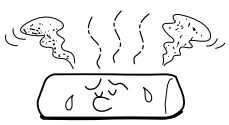
c) Never short-circuit the battery pack by either accidentally or intentionally bringing the terminals in contact with another metal object. This could cause personal injury or a fire, and could also damage the battery pack.



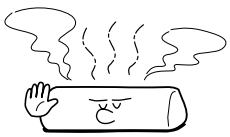
d) Never hammer a nail into the battery pack.
Never hit a hammer on the battery pack.
Never step or tread on the battery pack.



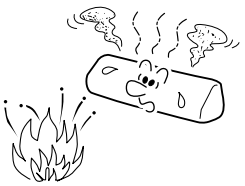
e) If you ever detect the emission of an extraordinary odor, excessive heat, discoloration, or deformation of the battery pack, remove it from the player or the battery charger immediately, and discontinue use of the battery pack.



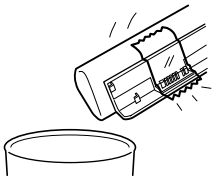
f) If you ever detect rust, the emission of an extraordinary odor, excessive heat or anything unusual of the battery pack before starting to use it, do not use it. Take it to an authorized Toshiba service provider.



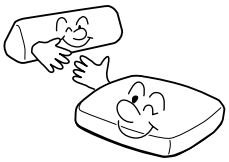
g) Keep the battery pack away from heat or fire, if you detect the emission of an extraordinary odor or leakage of alkaline solution or other electrolytic substance.



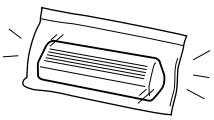
h) Never dispose of used battery packs with other ordinary solid wastes, since they contain toxic substances. Always dispose of used battery packs in accordance with the prevailing community regulations that apply to the disposal of batteries. Cover the metal terminals with insulating tape, in order to prevent accidental short-circuiting.



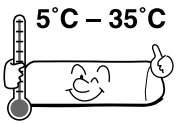
i) Always confirm that the battery pack is compatible with your player, before attaching the battery pack to the player.



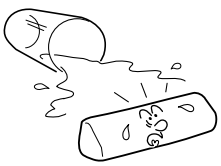
j) Never expose the terminals of the battery pack to any other metal object. Wrap the battery or place it in a protective plastic bag, whenever transporting it.



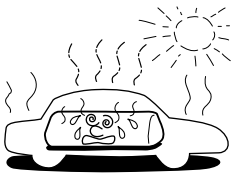
k) Always confirm that the temperature is 5-35˚C before you charge the battery. Leakage, excessive heat, or deterioration of the battery pack may occur if this warning is not heeded.



l) Never expose the battery pack to any liquid.



m) Never expose the battery pack to direct sunlight. Never store or use the battery pack in a locked and unventilated vehicle. (where excessive internal temperatures may be encountered.)



n) Always keep the battery pack out of reach of infants or small children.

o) Never shock the battery pack by dropping or throwing it.

p) If the liquid contained within the battery pack leaks, use a large amount of water and immediately wash off any liquid which may accidentally contact any part of the body. Remove any liquid that has contacted your clothes by washing them immediately with a detergent.

q) Always confirm that a “click” sound has resulted, when attaching the battery pack to the player. That sound confirms that the battery pack has been properly attached.

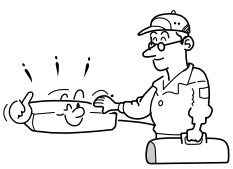
IMPORTANT SAFETY INSTRUCTIONS

24. Damage Requiring Service
    Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    a) When the power-supply cord or plug is damaged.
    b) If liquid has been spilled, or objects have fallen into the product.
    c) If the product has been exposed to rain or water.
    d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
    e) If the product has been dropped or damaged in any way.
    f) When the product exhibits a distinct change in performance - this indicates a need for service.

25. Servicing
    Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

26. Replacement Parts
    When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.

27. Safety Check
    Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.



Precautions

Notes on handling

- Do not shock the LCD panel. It may cause unit damage and malfunction.
- When shipping the player, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packaged at the factory.
- Do not use volatile liquids, such as insect spray, near the player. Do not leave rubber or plastic products in contact with the player for a long time. They will leave marks on the finish.
- The top and rear panels of the player may become warm after a long period of use. This is not a malfunction.
- When the player is not in use, be sure to remove the disc and turn off the power.
- If you do not use the player for a long period, the unit may not function properly in the future. Turn on and use the player occasionally.

Notes on locating

- When you place this player near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted. In this case, move the player away from the TV, radio, or VCR.

Notes on cleaning

- Use a soft, dry cloth for cleaning.
  For stubborn dirt, soak the cloth in a weak detergent solution, wring well and wipe. Use a dry cloth to wipe it dry.
  Do not use any type of solvent, such as thinner and benzine, as they may damage the surface of the player.
  If you use a chemical saturated cloth to clean the unit, follow that product's instructions.
- When cleaning the LCD panel, use a soft, dry cloth.

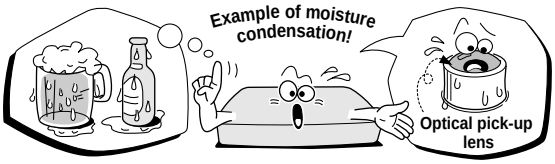
To obtain a clear picture

The player is a high technology, precision device. If the optical pick-up lens and disc drive parts are dirty or worn down, the picture quality becomes poor. To obtain a clear picture, we recommend regular inspection and maintenance (cleaning or parts replacement) every 1,000 hours of use depending on the operating environment. For details, contact your nearest dealer.

Notes on moisture condensation

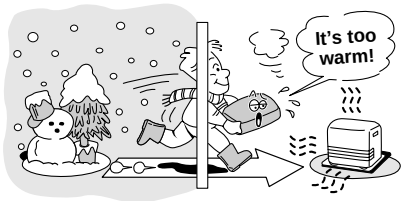
Moisture condensation damages the player. Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the player.



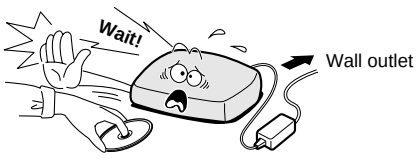
■ Moisture condensation occurs during the following cases.

- When you bring the player directly from a cold place to a warm place.
- When you use the player in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the player in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the player in a humid place.



■ Do not use the player when moisture condensation may occur.

If you use the player in such a situation, it may damage discs and internal parts. Remove the disc, connect the power cord of the player to the wall outlet, turn on the player, and leave it for two or three hours. After two or three hours, the player will have warmed up and evaporated any moisture. Keep the player connected to the wall outlet and moisture condensation will seldom occur.



Notes and Information

Playable discs

This player can play the following discs.

	Disc Mark	Contents	Disc Size	Maximum playback time
DVD video discs	DVD VIDEO	Audio + video (moving pictures)	12 cm	Approx. 4 hours (single sided disc)
				Approx. 8 hours (double sided disc)
			8 cm	Approx. 80 minutes (single sided disc)
				Approx. 160 minutes (double sided disc)
VIDEO CDs	COMPACT disc DIGITAL VIDEO	Audio + video (moving pictures)	12 cm	Approx. 74 minutes
			8 cm	Approx. 20 minutes
Audio CDs	COMPACT disc DIGITAL AUDIO	Audio	12 cm	Approx. 74 minutes
			8 cm (CD single)	Approx. 20 minutes

The following discs are also available.
- DVD-ROM
- DVD-R
- CD-ROM
- CD-RW
- CD-R

- You cannot play discs other than those listed above.
- You cannot play discs of DVD-RAM, DVD-RW, etc. or non-standardized discs, even if they may be labeled as above.
- This player uses the NTSC color system, and cannot play DVD video discs recorded in any other color system (PAL, SECAM, etc.).

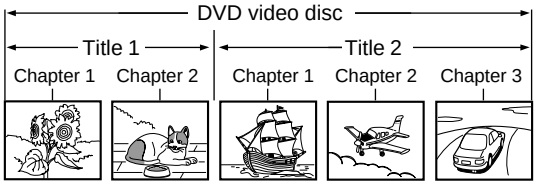
Notes on region numbers

The region number of this player is 1. If region numbers, which stand for their playable area, are printed on your DVD video disc and you do not find or , disc playback will not be allowed by the player. (In this case, the player will display a message on-screen.)

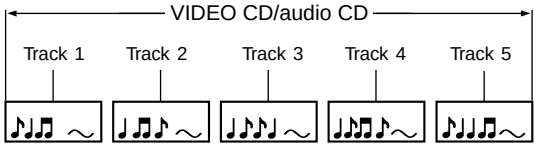
Structure of disc contents

Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters. VIDEO CDs and audio CDs are divided into tracks.

DVD video disc



VIDEO CD/audio CD



Each title, chapter or track is assigned a number, which is called “title number”, “chapter number” or “track number” respectively.
There may be discs that do not have these numbers.

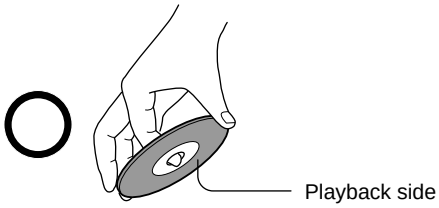
On VIDEO CDs

This player supports VIDEO CDs equipped with the PBC (Version 2.0) function. (PBC is the abbreviation of Playback Control.)
You can enjoy two playback variations depending on types of discs.

- VIDEO CD not equipped with PBC function (Version 1.1)
  Sound and movie can be played on this player in the same way as an audio CD.
- VIDEO CD equipped with PBC function (Version 2.0)
  In addition to operation of a VIDEO CD not equipped with the PBC function, you can enjoy playback of interactive software with search function by using the menu displayed on the screen (Menu Playback).
  Some functions described in this owner’s manual may not work with all discs.

On handling discs

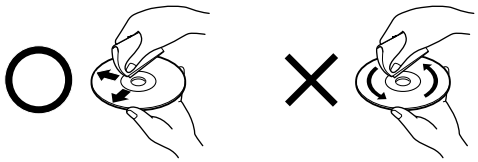
- Do not touch the playback side of the disc.



- Do not attach paper or tape to discs.

On cleaning discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



- If you cannot wipe off the dust with a soft cloth, wipe the disc lightly with a slightly moistened soft cloth and finish with a dry cloth.
- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

On storing discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

About this owner's manual

This owner's manual explains the basic instructions of this player. Some DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the player may not respond to all operating commands. This is not a defect in the player. Refer to instruction notes of discs.

"⃠" may appear on the screen during operation.
A "⃠" means that the operation is not permitted by the player or the disc.

Notes on copyright

It is forbidden by law to copy, broadcast, show, broadcast on cable, play in public, and rent copyrighted material without permission.

DVD video discs are copy protected, and any recordings made from these discs will be distorted.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Exemptions

- Toshiba Corporation is not liable for any damage caused by fire, earthquake, uses by a third person, accidents, owner's intentional or unintentional misuse, or uses in other improper conditions.
- Toshiba Corporation is not liable for incidental damages (such as profit loss or interruption in business, etc.) caused by use or misuse of this player.
- Toshiba Corporation is not liable for any damage caused by neglect of the instructions described in the owner's manual.
- Toshiba Corporation is not liable for any damage caused by misuse or malfunction through joint use of this player and the connected equipment or software that Toshiba Corporation is not concerned.

Table of Contents

Introduction

- **SAFETY PRECAUTIONS 2**
- **IMPORTANT SAFETY INSTRUCTIONS ... 4**
- **Precautions 9**
- **Notes and Information 10**
  - Notes on region numbers 10
- **Table of Contents 12**

Basic playback

- **Playing a Disc 14**
  - Basic playback 14
- **Variable Speed Playback 18**
  - Playing in fast reverse or fast forward directions 18
  - Playing frame by frame 18
  - Playing in slow-motion 19
  - Resuming playback from the same location ... 19
- **Locating a Specific Title, Chapter, or Track 20**
  - Locating a title using the top menu 20
  - Locating a title by entering the title number 20
  - Locating a specific chapter or track directly ... 21
  - Locating a specific chapter or track 21

Advanced playback

- **Playback From a Memorized Location 24**
  - Storing locations in the memory 24
- **Accessing a Specific Location Directly .. 24**
  - Entering the time of the desired location 24
- **Playing Repeatedly 25**
  - Repeating a title, chapter, or track 25
  - Repeating a specific segment 25
- **Playing in a Favorite Order 26**
  - Setting titles, chapters, or tracks in a favorite order 26
- **Playing in Random Order 27**
  - Playing titles, chapters or tracks in random order 27
- **Zooming a Picture 28**
  - Zooming a Picture 28
- **Selecting 3-D (N-2-2) Sound Enhancement 28**
  - Selecting 3-D (N-2-2) sound enhancement 28
- **Selecting a Camera Angle 29**
  - Changing the camera angle 29
- **Selecting Subtitles 30**
  - Selecting a subtitle language 30
- **Selecting a Language 31**
  - Selecting a playback audio setting 31
- **Viewing the Operational Information 32**
  - Checking the operational status 32
  - Checking the remaining time and setting status 32

Function setup

- **Customizing the Function Settings 34**
  - Setting procedure 34
  - Setting details 36
- **Table of Languages 42**

Connections

- **Power Connection 44**
  - Using the battery pack 45
- **Connecting to a TV 46**
- **Connecting to Optional Equipment 48**
  - Connecting to an amplifier equipped with a Dolby Digital decoder 48
  - Connecting to an amplifier equipped with Dolby Pro Logic Surround 48
  - Connecting to an amplifier equipped with a DTS decoder 48
  - Connecting to an amplifier equipped with an MPEG2 audio decoder 49
  - Connecting to an amplifier equipped with a digital audio input 49
- **Connecting to a PC 50**

Others

- **Before Calling Service Personnel 52**
- **Specifications 53**
- **Identification of Controls 54**
  - Main unit 54
  - Side view 55
  - Remote control 56
  - Loading batteries 57
  - Operating with the remote control 57
- **LIMITED WARRANTY PORTABLE DVD PLAYER 58**

Basic playback

Begin your operation.

- **Playing a Disc**
- **Variable Speed Playback**
- **Locating a Specific Title, Chapter, or Track**

Playing a Disc

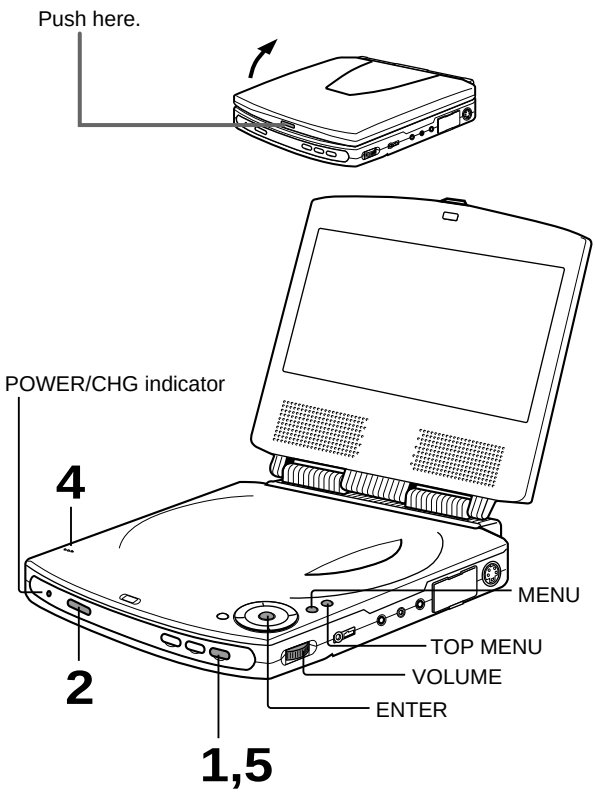
This section shows you the basics on how to play a disc.

〉 indicates a reference page of this manual.
See the page in 〉 for details.

CAUTION
- Keep your fingers well clear of the disc as it is spinning. Neglecting to may cause serious personal injury.
- Be careful not to catch your fingers in the disc holder.
- Do not use a cracked, deformed, or repaired disc.

DVD VCD CD Basic playback

Preparations
- Make all connections and settings as necessary referring to the connections chapter (〈44〉).
- When you want to view a disc on a connected TV or monitor, turn on the equipment and select the video input connected to the player.
- When you want to enjoy the sound of discs from an audio system, turn the audio system on and select the input connected to the player.
- If you use the supplied remote control, make sure that batteries are loaded in it. 〈57〉
- Press the button on the front center to open the top cover.



1 Turn on the power.

POWER ON ▶ — Press POWER ON (▶) on the main unit.

POWER — Alternatively press POWER on the remote control.

The player turns on and the POWER/CHG indicator on the player illuminates in green.

When the player is turned on for the first time, an initial set-up display appears. See "Initial set-up" and make the proper settings before proceeding to step 2.

2 Open the cover.

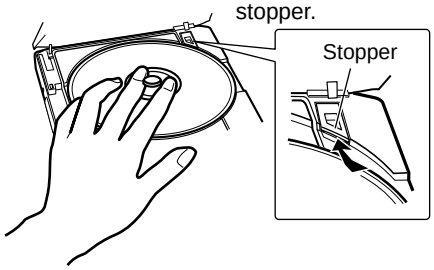
▲ — Press ▲ on the main unit.

OPEN ▲ — Alternatively press OPEN on the remote control.

Do not try to open the cover without using the these buttons.
The cover is designed to stop at two positions. Do not force the cover open further, as it may cause damage to the player.

3 Set a disc.

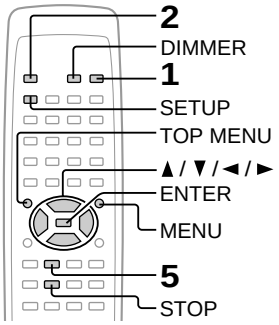
Slide the rim under the stopper.



Place a disc with the playback side down, and push gently on the center of the disc to fix it to the spindle.

4 Close the cover.

Press PUSH CLOSE on the left corner.



■ To obtain a higher quality picture

Occasionally, some picture noise not usually visible during a normal broadcast may appear on the TV screen while playing a DVD video disc because the high resolution pictures on these discs include a lot of information. While the amount of noise depends on the TV you use with this player, you should generally reduce the sharpness adjustment on your TV when viewing DVD video discs.

■ About DVD VCD CD

The DVD VCD CD icons on the heading bar show the playable discs relevant to the function described under each heading.
DVD : You can use this function with DVD video discs.
VCD : You can use this function with VIDEO CDs.
CD : You can use this function with audio CDs.

5 Start playback.

Press ▶ on the main unit.

PLAY

Alternatively press PLAY on the remote control.

If you select a DVD video disc that contains a top menu, or select a PBC (Playback Control)-featured VIDEO CD (10), a menu may appear. See "Locating a title using the top menu". 20

- You may need to press the TOP MENU or MENU button to display disc menu (depending on the actual DVD video disc.)

Notes

- Do not put any objects other than discs in the disc holder.
- Do not move or shake the main unit while playing. It may damage the disc.
- In many instances, a menu screen will appear after playback of a movie is completed. Prolonged display of an on-screen menu may damage your television set, permanently etching that image onto its screen. To avoid this, be sure to press the ■ (STOP) button (or **STOP** button on the remote control) once the movie is completed.
- This player is equipped with a high-speed disc drive mechanism to support DVD-ROM/CD-ROM discs. Therefore, there may be some vibration in the unit. This is not a malfunction. (The degree of vibration varies depending on the disc.)

■ To change LCD brightness

Press **DIMMER**.

DIMMER

Each time you press DIMMER, brightness alternates between two levels.

■ To adjust the volume of the speakers or the connected headphones

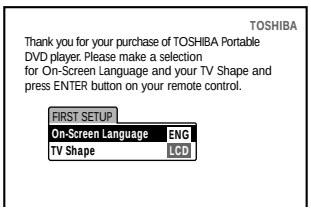
Turn **VOLUME** control.

VOLUME

■ Initial set-up

Make the following settings on the display.

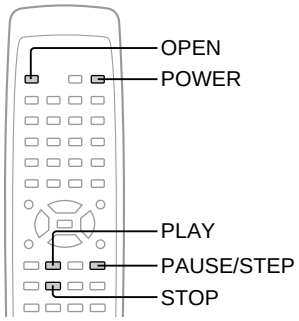
On-screen Language: Select the appropriate on-screen language.
TV Shape: Select a picture size according to the aspect ratio of your TV. When you use the LCD of this player, select "16:9LCD." (See 37 for details.)


TOSHIBA
Thank you for your purchase of TOSHIBA Portable DVD player. Please make a selection for On-Screen Language and your TV Shape and press ENTER button on your remote control.
FIRST SETUP
On-Screen Language ENG
TV Shape LCD

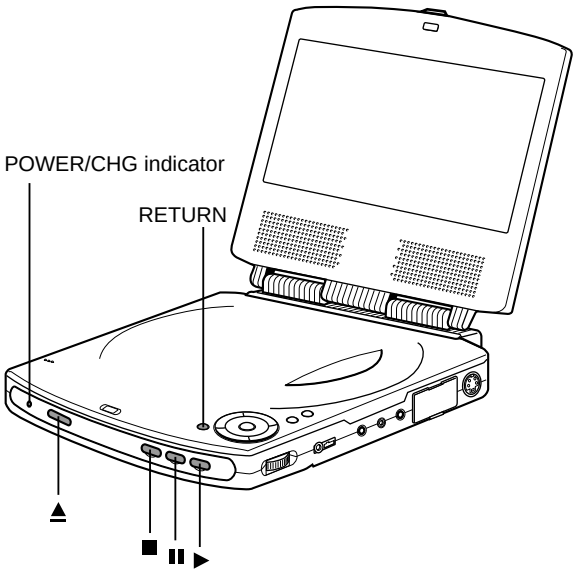
1 Press ▲ / ▼ to select "On-Screen Language," and press **ENTER**.
2 Select a language using ▲ / ▼, and press **ENTER**.
3 Press ▼ to select "TV Shape," and press **ENTER**.
4 Select a picture size using ▲ / ▼, and press **ENTER**.
5 Finally press **SETUP** on the remote control.

All your selections are entered and the display disappears.
To change your settings, see "Customizing the Function Settings." 34

Playing a Disc (continued)



Basic playback (continued)



■ To pause playback (still mode)

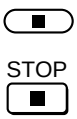
Press ⏸ (or **PAUSE/STEP** on the remote control) during playback.

To resume normal playback, press ▶ (PLAY) (or **PLAY** on the remote control).

- Sound is muted during still mode.

■ To stop playback

Press ■ (or **STOP** on the remote control).



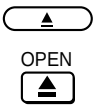
■ To turn off the power

Press and hold **POWER OFF** (■) on the main unit for about 2 seconds.

Alternatively press **POWER** on the remote control.

■ To remove the disc

Press ⏏ (or **OPEN** on the remote control) to open the cover.



Remove the disc from under the rim while gently pressing down on its center.

CAUTION
Do not touch the spindle immediately after prolonged play, as it may have become hot.
Be careful in loading/removing a disc.

■ About the screen saver

If you pause a picture of a DVD video disc and leave it still for a long while, the screen saver of the player automatically appears (when “Screen Saver” is set to “On” 40). To turn off the screen saver, press the ▶ (PLAY) (or **PLAY** on the remote control) button.

■ Automatic Power Off function

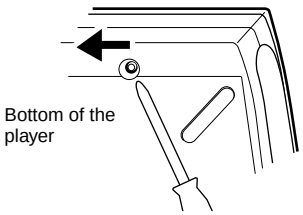
If the player is stopped, or the screen saver is engaged for approximately 20 minutes, the player will automatically turn itself off.

■ About the LCD

- Although the LCD incorporates high precision technology in its design, please understand that there may be slight pixel breakup or stray light emissions of 0.01% or less.
- The fluorescent tube which illuminates the panel from the inside will deteriorate with use. (The standard life length is about 10,000 hours of continuous use at normal temperature.) When the LCD becomes dim, flickers, or does not illuminate, contact your dealer for replacement.

■ If the cover will not open

Open the cover manually as shown below when it is locked by power failure or other causes.



Slide the pin in the arrow’s direction using a slender object with a fine tip.

■ Hold function

The buttons on the player and remote control can be locked, so that you can avoid unintended operation while carrying the player.

Press and hold **RETURN** on the player for longer than approximately 2 seconds.

The buttons are locked.

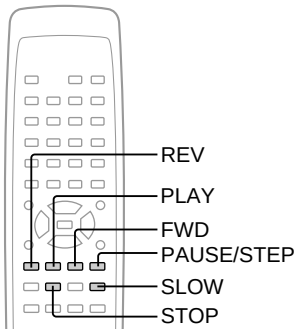
To release the buttons, press and hold **RETURN** on the player for longer than approximately 2 seconds.

Notes

- When you lock or release the buttons, the POWER/CHG indicator flashes three times.
- If a button is pressed while it is locked, the POWER/CHG indicator will flash rapidly.

Variable Speed Playback

You can play discs at various speeds, and resume playback from the location where you stopped playback.



DVD VCD CD Playing in fast reverse or fast forward directions

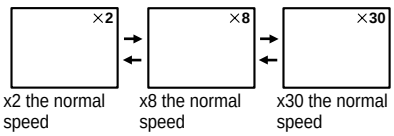
Press REV or FWD during playback.

REV

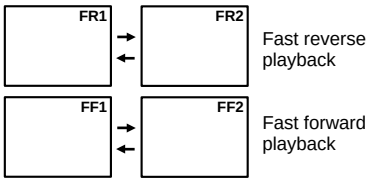
REV: Fast reverse playback
FWD: Fast forward playback

FWD

DVD Each time you press the REV or FWD button, the playback speed changes.



VCD CD Each time you press the REV or FWD button, the two playback speeds alternate.



■ To resume normal playback

Press **PLAY**.

PLAY

Notes

- The player mutes sound and omits subtitles during reverse and forward scan of DVD video discs. However, the player plays sound during fast forward or fast reverse play of audio CDs.
- The playback speed may vary depending on the disc.

DVD VCD Playing frame by frame

Press PAUSE/STEP during still playback.

PAUSE/STEP

Each time you press the PAUSE/STEP button, the picture advances one frame.

■ To resume normal playback

Press **PLAY**.

PLAY

Note

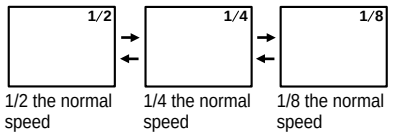
The sound is muted during frame by frame playback.

DVD Playing in slow-motion

Press SLOW during playback.

SLOW

Each time you press the SLOW button, the slow-motion speed changes.



■ To resume normal playback

Press **PLAY**.

PLAY

Notes

- The sound is muted during slow-motion playback.
- The playback speed may vary depending on the disc.

DVD VCD CD Resuming playback from the same location

1 Press STOP at the location where you want to interrupt playback.

STOP

The player memorizes the location where playback is stopped.

2 Press PLAY.

PLAY

The player resumes playback from the location where you stopped playback.

■ To start playback from the beginning regardless of the location where you stopped playback

1 Press **STOP** twice.

STOP

The player's memory is cleared.

2 Press **PLAY**.

PLAY

DVD Playback starts from the beginning of the current title.

VCD CD Playback starts from the beginning of the disc.

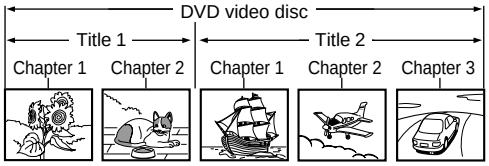
- If you want to return to the beginning of a DVD video disc, turn the power off and on by pressing the POWER button, and then start playback.

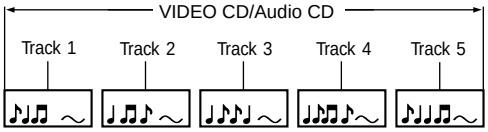
Notes

- The player's memory is also cleared when:
  - you change the parental lock setting 〈40〉 or select a disc menu language 〈36〉.
  - you use a PBC-featured VIDEO CD while "PBC" is set to "On" 〈41〉 .
- There may be a difference in the location where playback resumes depending on the disc.
- Settings you changed using the on-screen displays while the player keeps a location in the memory may function only after the memory is cleared.

Locating a Specific Title, Chapter, or Track

Normally, DVD video discs are divided into titles, and the titles are sub-divided into chapters. VIDEO CDs and audio CDs are divided into tracks. You can quickly locate any specific title, chapter, or track.





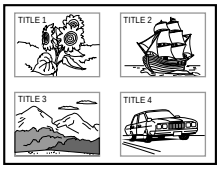
DVD Locating a title using the top menu

1 Press TOP MENU.

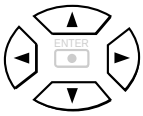
TOP MENU

The top menu appears.

e.g.

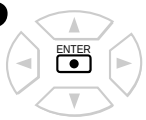


2 Press ▲ / ▼ / ◄ / ► to select the title you want.



If the titles in the top menu are assigned a number, you can directly locate a specific title by pressing its designated number with the number buttons.

3 Press ENTER.



Playback starts from chapter 1 of the selected title.

Notes

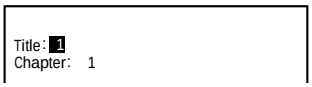
- The instructions above describe basic procedures which may vary depending on the contents of the DVD video disc. If different instructions appear on the screen, follow those instructions.
- If you display the top menu during playback and press the TOP MENU button again without selecting any title, the player may resume playback from the point where you first pressed the TOP MENU button (depending on the actual DVD video disc.)
- This method of locating a title is available only on a disc that contains a top menu.
- Instruction notes of discs may refer to the button that displays the top menu as TITLE button.

DVD Locating a title by entering the title number

1 Press T.

T

Make sure that the space next to "Title" is highlighted.
(You can shift the highlight using the ▲ / ▼ buttons.)



2 Press the corresponding number buttons for the title you want.

e.g. To select title 2 [2]

To select title 12 [1] → [2]

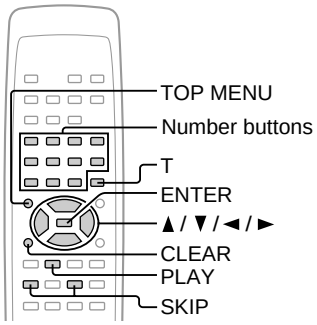
3 Press PLAY.

PLAY ►

Playback starts from chapter 1 of the selected title.

Notes

- Pressing the CLEAR button resets the title and chapter numbers. To clear the "Title" and "Chapter" display, press the T button several times.
- This method of locating a title is available only on a disc that contains title numbers.

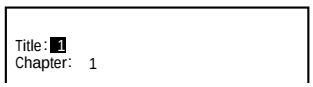


DVD VCD CD Locating a specific chapter or track directly

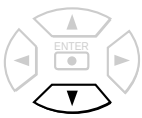
1 Press T.

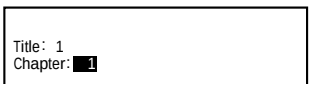
Skip steps 1 and 2 if you are using a VIDEO CD/ audio CD.

T



2 Press ▼ to highlight the space next to "Chapter."





3 Press the corresponding number buttons for the chapter or track you want.

You can use the +10 button to select numbers from 10 through 99.

e.g. To select chapter or track 25

2 → 5

or +10 → +10 → 5

4 Press PLAY.

PLAY ► Playback starts from the selected chapter or track.

■ To select a title and chapter number at the same time

Perform step 1, and enter a title number you want in the space next to "Title" using the number buttons, then perform steps 2 to 4.

Note

Pressing the CLEAR button resets the title and chapter numbers. To clear the "Title" and "Chapter" display, press the T button several times.

DVD VCD CD Locating a specific chapter or track

Press SKIP (I◄◄/►►I) repeatedly to display the chapter or track number you want.

Playback starts from the selected chapter or track.

SKIP ►►I To locate succeeding chapters or tracks

SKIP I◄◄ Playback starts from the beginning of the current chapter or track.
When you press twice, playback starts from the beginning of the preceding chapter or track.

Notes

- Some titles may not display chapter numbers.
- When you set "Title Stop" to "Off" (41), you can access chapters in another title. If you go back to the preceding title by pressing the SKIP I◄◄ button, the player locates the first chapter of the title. When "Title Stop" is set to "On," you can access chapters only within the current title.

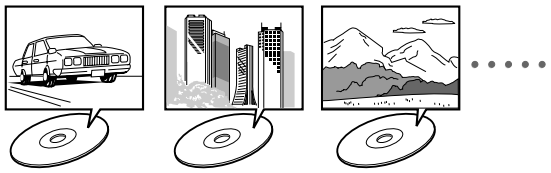
Advanced playback

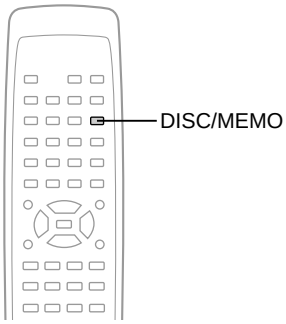
Customizing the performance of your player.

- **Playback From a Memorized Location**
- **Locating a Specific Location Directly**
- **Playing Repeatedly**
- **Playing in a Favorite Order**
- **Playing in Random Order**
- **Zooming a Picture**
- **Selecting 3-D (N-2-2) Sound Enhancement**
- **Selecting a Camera Angle**
- **Selecting Subtitles**
- **Selecting a Language**
- **Viewing the Operational Information**

Playback From a Memorized Location

The player memorizes a specific location on a disc, so that you can resume playback from there later.

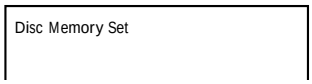




DVD Storing locations in the memory

Press DISC/MEMO at the location where you want to resume playback later.

DISC/MEMO



The DISC/MEMO button can be pressed also while you are playing in slow-motion or the picture is paused.

■ To start playback from the location you stored

Insert a disc that contains the location you stored, and press **DISC/MEMO** during stop.

DISC/MEMO

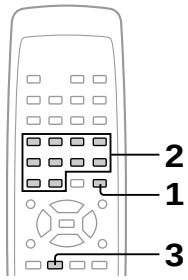
Some discs begin playback automatically. In such a case, first stop playback by pressing STOP, then press DISC/MEMO.

Notes

- The player memorizes only one location on each side of a DVD video disc. It has the capability to memorize 3 different locations (eg. 3 single sided discs). Storing a fourth memory location erases the first.
- Storing a new location erases a previous one on the disc.
- If you start playback of a DVD video disc equipped with the parental lock feature 40, after changing the parental lock level on the player, the display of the parental lock level may return to the previous one. In this case, set the parental lock level back to it.
- Some discs or scenes (especially menus included on the disc) may not permit this operation.

Accessing a Specific Location Directly

You can access a specific location by entering its corresponding time (hours, minutes, seconds).

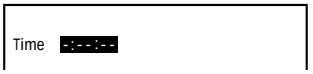


DVD VCD CD Entering the time of the desired location

1 Press T twice.

T

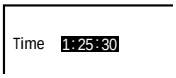
You may have to press further depending on the disc. Press the button repeatedly until the following display appears.



2 Press the number buttons to enter the time.

e.g.

1 → 2 → 5 → 3 → 0



3 Press PLAY.

PLAY

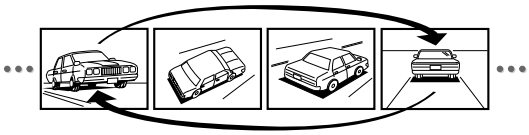
Playback starts from the desired location.

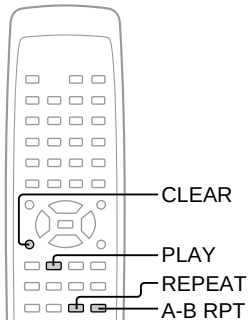
Notes

- Some discs may not respond to this process.
- Some scenes may not be located precisely as you specified.
- This method for accessing specific locations is available only within the current title of the DVD video disc or within the current track of the VIDEO CD/audio CD.

Playing Repeatedly

You can play a specific title, chapter, track, or segment repeatedly.
(Title repeat, chapter/track repeat, A-B repeat)



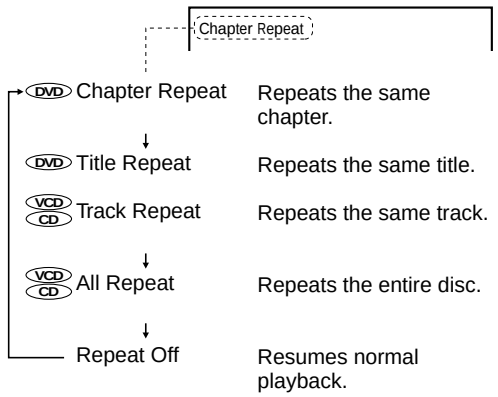


DVD VCD CD Repeating a title, chapter, or track

1 Press REPEAT.

REPEAT

Each time you press the REPEAT button, the repeat mode changes as follows.



2 Press PLAY.

PLAY

The player starts repeat playback. Press the PLAY button within about 5 seconds after you press the REPEAT button.

■ To resume normal playback

Press **CLEAR**.

CLEAR

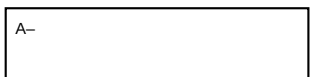
Note

Some discs may not permit repeat operation.

DVD VCD CD Repeating a specific segment

1 Press A-B RPT at the beginning of the segment (point A) you want to play repeatedly.

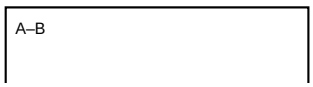
A-B RPT



2 Press A-B RPT again at the end of the segment (point B).

A-B RPT

The player automatically returns to point A and starts repeat playback of the selected segment (A-B).



■ To resume normal playback

Press **CLEAR**.

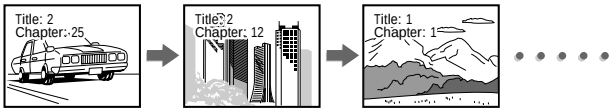
CLEAR

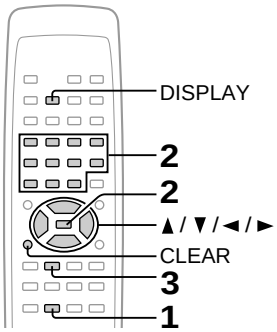
Notes

- Some discs may not permit A-B repeat operation.
- You can specify a segment only within the current title or track.
- You cannot set the A-B repeat function for a segment that includes multiple camera angles 〈29〉.
- There may be a slight difference between point A and the location where playback actually resumes depending on the disc.

Playing in a Favorite Order

You can combine your favorite titles, chapters, or tracks and play them in the order you determine. You can program up to 28 selections into the memory. (Memory playback)



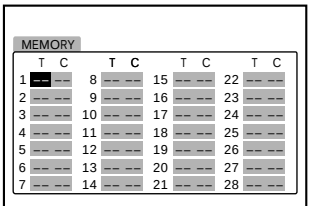


DVD VCD CD Setting titles, chapters, or tracks in a favorite order

1 Set a disc and press MEMORY during stop.

MEMORY

The following display appears.



T: Title number or track number
C: Chapter number

2 Select the items in the order you want by pressing the number buttons, then ENTER for each item.

Each time you press the ◄ / ► button, the space of “T” and “C” is highlighted in turn. Highlight where you want to enter, then press the corresponding number buttons.

To select another chapter in the same title, you do not need to select the title number.

To select tracks from a VIDEO CD/audio CD in order, press the number buttons for the track, then press the ENTER button for each selection you want.

3 Press PLAY while the MEMORY display appears on the screen.

PLAY

The player starts memory playback.

■ To change the programmed selections

1 While the MEMORY display appears on the screen, press ▲ / ▼ to move the highlighted bar to the item you want to change.
2 Change the selection following the instructions in step **2**.

■ To cancel the programmed selections

1 While the MEMORY display appears on the screen, press ▲ / ▼ to move the highlighted bar to the item you want to cancel.
2 Press **CLEAR**.

■ To resume normal playback from memory playback

Press **CLEAR**.

CLEAR

■ To program during playback

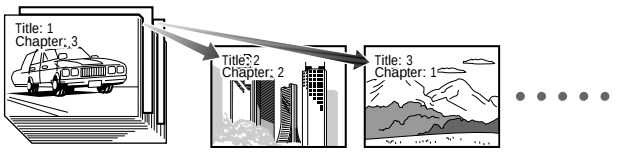
If you press the **MEMORY** button during playback, a programming display appears.
If you further press the **DISPLAY** button, you can display the current MEMORY setting. Follow steps **2** and **3**.

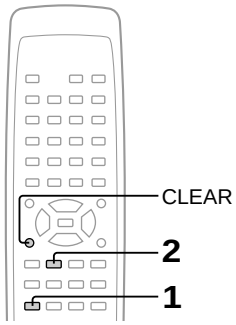
Notes

- Some discs may not permit memory playback operation.
- If you press the REPEAT button during memory playback, the player repeats the current memory playback.
- If you press the MEMORY or RETURN button while the MEMORY display appears on the screen, the MEMORY display disappears.
- The programmed selections will be cleared when you turn off the player.

Playing in Random Order

You can play titles, chapters within a title, or tracks in random order. (Random playback)





DVD VCD CD Playing titles, chapters or tracks in random order

1 Press RANDOM.

RANDOM

Each time you press the RANDOM button, the random mode changes as follows.

Chapter Random

DVD Chapter Random — Plays chapters in the same title in random order.

↓

DVD Title Random — Plays titles in random order.

VCD CD Track Random — Plays tracks in random order.

↓

Random Off — Resumes normal playback.

If you press the RANDOM button during playback, the player automatically starts random playback after finishing the current title, chapter or track.

2 Press PLAY.

PLAY

The player starts random playback. Press the PLAY button within about 5 seconds after you press the RANDOM button.

■ To resume normal playback

Press **CLEAR**.

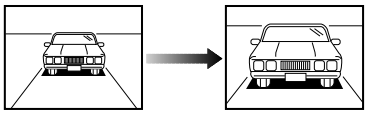
CLEAR

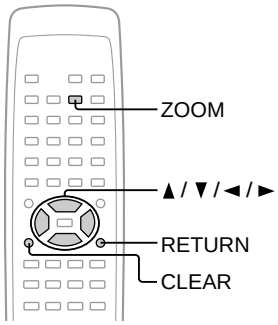
Notes

- Some discs may not permit random playback operation.
- You cannot use the random playback function in conjunction with the memory playback feature.

Zooming a Picture

You can magnify areas within a picture.





DVD Zooming a picture

Press ZOOM during normal, slow or still playback.

ZOOM

As you repeatedly press the ZOOM button, the magnification level increases.

RETURN

To reduce the magnification level, press the RETURN button.

If you press the ▲ / ▼ / ◄ / ► buttons, the zoom point shifts.
When the zoom point reaches an edge of the picture, the color of "Zoom" changes.

CLEAR

Pressing the CLEAR button restores the zoom point to the center of the picture.

■ To resume normal playback

Press **ZOOM** repeatedly so that "Zoom" disappears.

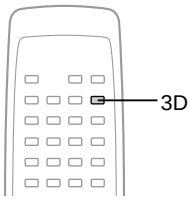
ZOOM

Notes

- Some discs may not respond to zoom feature.
- During some scenes, the buttons may not work as described.
- Zooming does not work on subtitles or menus included on DVD video discs.
- During zoom playback, the ▲ / ▼ / ◄ / ► buttons cannot work on menus included on DVD video discs. If you want to view the menus, cancel the zoom playback.
- The magnification level varies depending on the picture size you select. 37

Selecting 3-D (N-2-2) Sound Enhancement

You can enjoy expansive virtual surround sound effects from just two speakers.



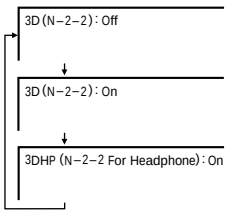
DVD VCD CD Selecting 3-D (N-2-2) sound enhancement

Press 3D during playback.

3D

The current setting is displayed.

Each time you press the 3D button, the setting changes as follows.



Off

On

This level is designed especially for headphone listening.

Notes

- You may sense a difference in volume between normal and 3-D (N-2-2) enhanced sound.
- 3-D (N-2-2) sound enhancement may not function (or may not be realized) depending on the sound output setting or recording system 31.
- If 3-D (N-2-2) sound enhancement is on, Dolby Pro Logic Surround may not function on output sounds at all, or may function differently than usual.

Spatializer® 3-Dimensional Sound Processing provided by Desper Products. Inc.
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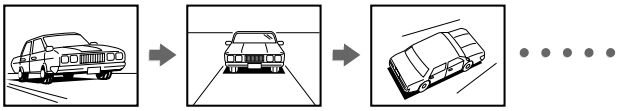
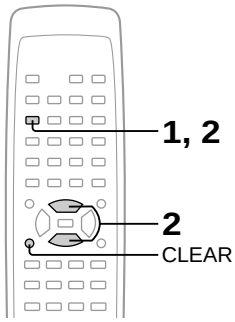
Selecting a Camera Angle

If a scene was recorded with multiple angles, you can easily change the camera angle of the scene you are viewing.



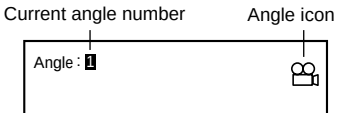


DVD Changing the camera angle

1 Press ANGLE while playing a scene recorded with multiple angles.

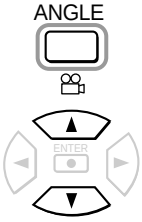
ANGLE

While playing a scene recorded with multiple angles, the angle icon (🎥) appears on the screen.
Press the ANGLE button while the angle icon is displayed.



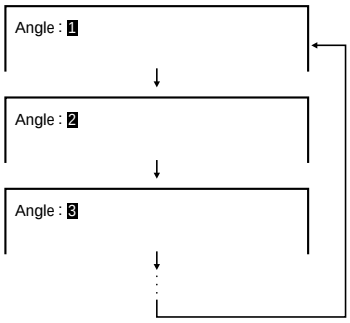
2 Press ANGLE or ▲ while the angle number is displayed on the screen.

ANGLE



Each time you press the ANGLE or ▲ button, the camera angle changes.

e.g.



▼ : Cycles backwards

You can change the camera angle directly by pressing the number buttons corresponding to an angle number instead of using the ▲ / ▼ buttons.

■ To turn off the angle number display

Press **CLEAR**.

CLEAR

■ To disable the angle icon display on the screen

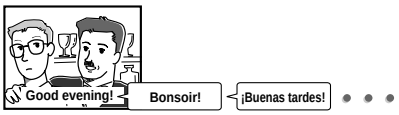
From the on-screen displays, set “On-Screen Displays” to “Off.” 40
The multi camera angle function is always active regardless of this setting.

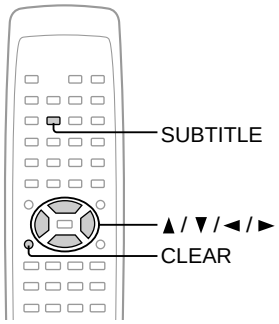
Notes

- You can change the camera angle during still playback. The camera angle changes to the new setting when you resume normal playback.
- If you pause a picture immediately after changing a camera angle, the resumed playback picture may not display the new camera angle.

Selecting Subtitles

You can display subtitles on the screen and select a subtitle language from those included on the DVD video disc.



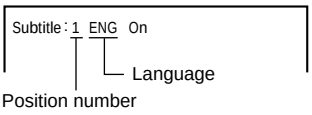


DVD Selecting a subtitle language

1 Press SUBTITLE during playback.

SUBTITLE

The current subtitle setting is displayed for about 3 seconds.



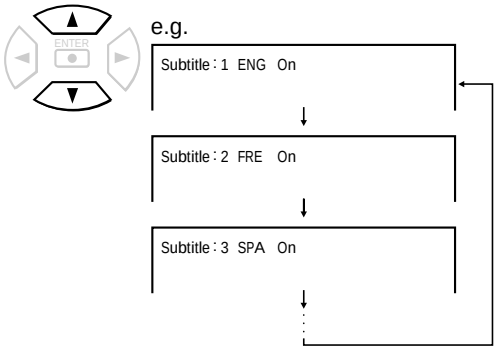
The abbreviation of the language appears instead of the language name. Refer to the list of languages and their abbreviations. 42

2 Press SUBTITLE or ▲ while the subtitle setting is displayed on the screen.

SUBTITLE

Each time you press the SUBTITLE or ▲ button, the subtitle languages included on the DVD video disc change.

e.g.



▼ : Cycles backwards

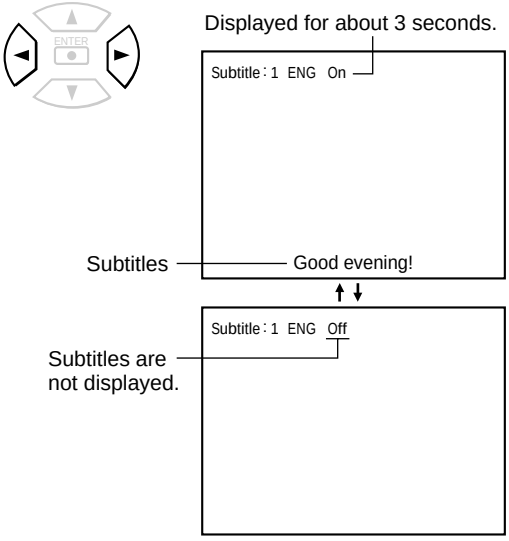
To turn off the subtitle setting display, press the CLEAR button.

■ To turn subtitles on or off

1 Press **SUBTITLE** during playback.

SUBTITLE

2 Press ◄ / ► while the subtitle setting is displayed on the screen, to select “On” or “Off.”



Notes

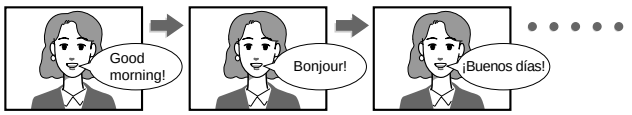
- Some DVD video discs display subtitles automatically, and you cannot turn them off even if you set the subtitle function to off.
- During some scenes, subtitles may not appear immediately after you select “On.”
- Some DVD video discs will allow you to make subtitle selections and turn subtitles on or off only via the disc menu.

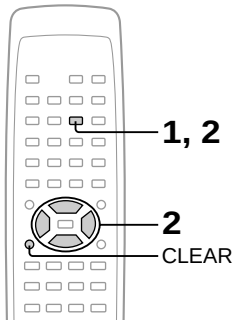
Notes

- When you turn on the player or replace a disc, the player returns to the initial default setting 36.
  When you select a subtitle language which is not included on the disc, the player plays a prior language programmed on the disc.
- During some scenes, the subtitles may not appear immediately after you change the subtitle language by pressing the ▲ / ▼ buttons.

Selecting a Language

You can select a preferred language and sound recording system from those included on the DVD video disc.



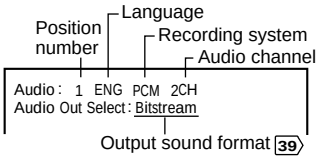


DVD Selecting a playback audio setting

1 Press AUDIO during playback.

AUDIO

The current audio setting is displayed for about 3 seconds.



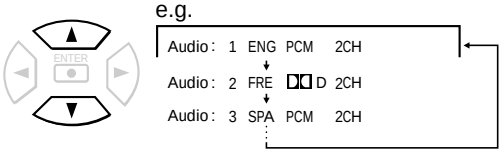
The abbreviation of the language appears instead of the language name. Refer to the list of languages and their abbreviations. 42

2 Press AUDIO or ▲ while the audio setting is displayed on the screen.

AUDIO

Each time you press the AUDIO or ▲ button, the audio settings included on the DVD video disc change.

e.g.



▼ : Cycles backwards

If you press the ◄ / ► buttons, you can select output sound format.

To turn off the audio setting display, press the CLEAR button.

Selecting sound channels of VIDEO CDs

During playback, press **AUDIO** repeatedly to select the sound channel.

AUDIO

Notes

- Some discs allow you to change audio selections only via the disc menu. If this is the case, press the MENU button and choose the appropriate language from the selections on the disc menu.
- When you turn on the player or replace a disc, the player returns to the initial default setting 36.
  If you select a sound track which is not included on the disc, the player plays a prior sound track programmed on the disc.

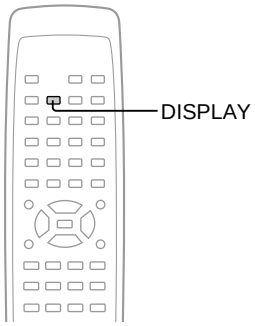
Output sound conversion table (sampling frequency/quantization bit)

Discs	Recording system		Audio selection from the menu 34 39 and output jacks on the rear panel					
			"Bitstream"		"Analog 2ch"		"PCM"	
			BITSTREAM/PCM jack	AV OUT jack	BITSTREAM/PCM jack	AV OUT jack	BITSTREAM/PCM jack	AV OUT jack
DVD video discs	Dolby Digital		Bitstream	48 kHz/20 bit	Bitstream	48 kHz/20 bit	48 kHz/16 bit	48 kHz/20 bit
	Linear PCM	48 kHz/16 bit	48 kHz/16 bit	48 kHz/16 bit	48 kHz/16 bit	48 kHz/16 bit	48 kHz/16 bit	48 kHz/16 bit
		48 kHz/20 bit	48 kHz/16 bit	48 kHz/20 bit	48 kHz/16 bit	48 kHz/20 bit	48 kHz/16 bit	48 kHz/20 bit
		48 kHz/24 bit	48 kHz/16 bit	48 kHz/20 bit	—	48 kHz/24 bit	48 kHz/16 bit	48 kHz/20 bit
		96 kHz/16 bit	48 kHz/16 bit	48 kHz/16 bit	—	96 kHz/16 bit	48 kHz/16 bit	48 kHz/16 bit
		96 kHz/20 bit	48 kHz/16 bit	48 kHz/20 bit	—	96 kHz/20 bit	48 kHz/16 bit	48 kHz/20 bit
		96 kHz/24 bit	48 kHz/16 bit	48 kHz/20 bit	—	96 kHz/24 bit	48 kHz/16 bit	48 kHz/20 bit
	DTS		Bitstream	—	Bitstream	—	—	—
	MPEG2		Bitstream	48 kHz/16 bit	Bitstream	48 kHz/16 bit	48 kHz/16 bit	48 kHz/16 bit
VIDEO CDs	MPEG1		44.1 kHz/16 bit	44.1 kHz/16 bit	44.1 kHz/16 bit	44.1 kHz/16 bit	44.1 kHz/16 bit	44.1 kHz/16 bit
Audio CDs	Linear PCM 44.1 kHz/16 bit		44.1 kHz/16 bit	44.1 kHz/16 bit	44.1 kHz/16 bit	44.1 kHz/16 bit	44.1 kHz/16 bit	44.1 kHz/16 bit
	DTS		Bitstream	(Noise)	Bitstream	(Noise)	Bitstream	(Noise)

: 3-D (N-2-2) sound enhancement can function.

Viewing the Operational Information

You can view information about a disc and its operational status on the screen.

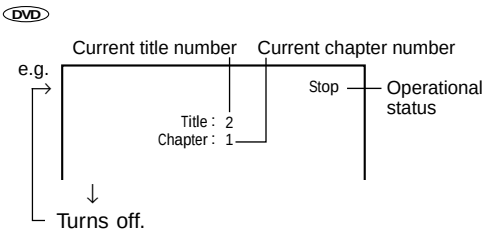


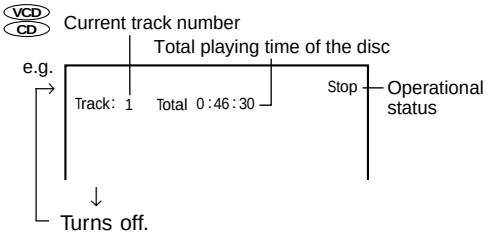
DVD VCD CD Checking the operational status

Press DISPLAY during stop.

DISPLAY

Each time you press the DISPLAY button, the on-screen display changes as follows.



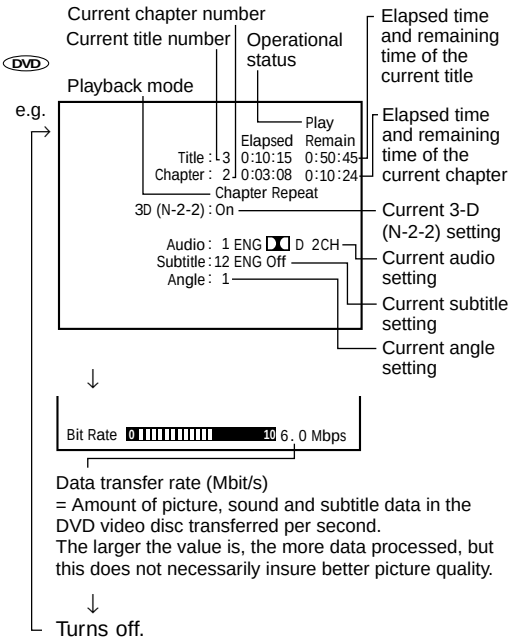


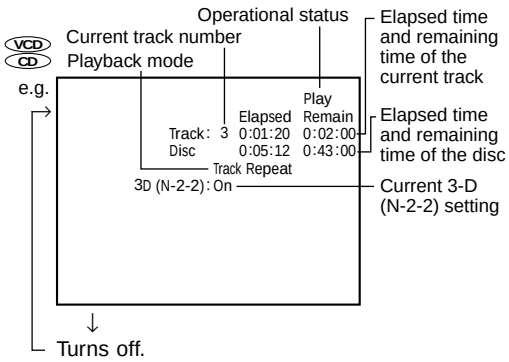
DVD VCD CD Checking the remaining time and setting status

Press DISPLAY during playback.

DISPLAY

Each time you press the DISPLAY button, the on-screen display changes as follows.


DVD
Current chapter number
Current title number
Operational status
Playback mode
e.g.
Elapsed time and remaining time of the current title
Elapsed time and remaining time of the current chapter
Play
Elapsed Remain
Title : 3 0:10:15 0:50:45
Chapter : 2 0:03:08 0:10:24
Chapter Repeat
3D (N-2-2) : On
Current 3-D (N-2-2) setting
Audio : 1 ENG D 2CH
Subtitle : 12 ENG Off
Angle : 1
Current audio setting
Current subtitle setting
Current angle setting
Bit Rate 0 10 6.0 Mbps
Data transfer rate (Mbit/s)
= Amount of picture, sound and subtitle data in the DVD video disc transferred per second.
The larger the value is, the more data processed, but this does not necessarily insure better picture quality.
Turns off.



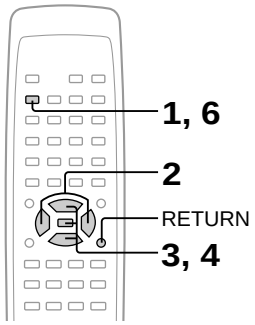
Function Setup

You can change the default settings to customize performance to your preference.

- **Customizing the Function Settings**
- **Table of Languages**

Customizing the Function Settings

You can change the default settings to customize performance to your preference.



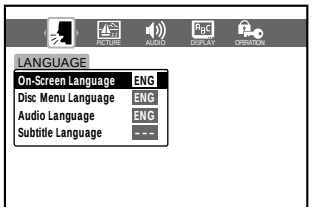
Setting procedure

DVD VCD CD

1 Press SETUP during stop.

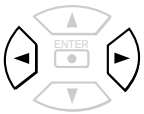
SETUP

The following on-screen display appears.



2 Press ◄ / ► to select a symbol for the setting you want to change.

(See the next page.)



Language settings

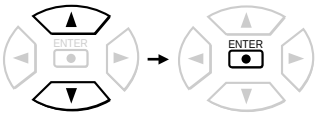
Picture performance settings

Output sound settings

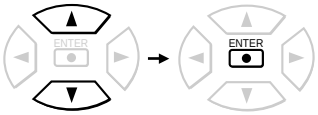
Display settings

Operational settings

3 Press ▲ / ▼ to select the setting you want to change, then press ENTER.



4 Change the selection by ▲ / ▼ or other buttons, by referring to the corresponding pages 36, then press ENTER.



5 Repeat steps 3 and 4 to change other settings.

To select another operation, go back to step 2.

6 Press SETUP.

SETUP

The on-screen display disappears.

■ To return to the previous display

Press **RETURN**.

RETURN

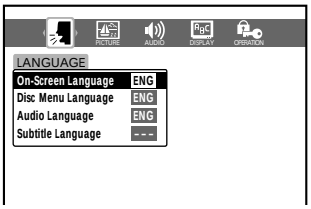
Notes

- The on-screen display disappears when you press the SETUP button.
- The SETUP button can function even during normal playback, however some operations may be inaccessible, and a message will appear. In this case, try again after playback is stopped.

Setting		Details	Page
LANGUAGE			
On-Screen Language	DVD VCD CD	To select a preferred language for on-screen displays.	36
Disc Menu Language	DVD	To select a preferred language for disc menus.	36
Audio Language	DVD	To select a preferred language for the sound track.	36
Subtitle Language	DVD	To select a preferred language for subtitles.	36
PICTURE			
TV Shape	DVD	To select a picture size according to the aspect ratio of your TV.	37
Blacker than Black	DVD VCD	To make an adjustment of the black level on your TV using a commercially available test disc that contains adjustment signals.	38
Black Level	DVD VCD	To select the black level of playback pictures.	38
Progressive 4:3 Output	DVD	To select the video output for pictures recorded in the 4:3 picture size. (Only when a TV is connected to the COMPONENT VIDEO connector.)	38
Component Video	DVD	To select the signal output format. (Only when a TV is connected to the COMPONENT VIDEO connector.)	38
AUDIO			
Audio Out Select	DVD VCD CD	To select an output sound format corresponding to your system connection.	39
Dynamic Range Control	DVD	To turn on or off a function that makes faint sounds easier to hear even if you lower the volume during late hours playback.	39
Karaoke Vocal	DVD	To turn on or off the vocal output during DVD KARAOKE disc playback.	39
Extended Audio Features	DVD	To turn on or off a special language for visually impaired persons.	39
DISPLAY			
On-Screen Displays	DVD VCD CD	To turn on or de-activate the operational status display on the screen.	40
OSD Background Color	DVD VCD CD	To select the background color for on-screen displays.	40
Extended Subtitle Features	DVD	To turn on or off special subtitles for hearing impaired persons.	40
Screen Saver	DVD	To turn the screen saver on or off.	40
OPERATION			
Pause/Still	DVD	To select the resolution of still pictures. (Field/Frame)	40
Parental Lock	DVD	To turn the parental lock function on or off.	40
Title Stop	DVD	To turn on or off a feature that automatically stops playback after a title has been viewed.	41
PBC	VCD	To use the menu when playing a PBC-featured VIDEO CD.	41

Customizing the Function Settings (continued)

Setting details



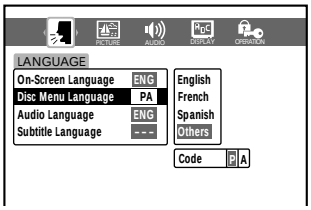
On-Screen Language (DVD) (VCD) (CD)

English: To view on-screen displays in English.
French: To view on-screen displays in French.
Spanish: To view on-screen displays in Spanish.

Disc Menu Language (DVD)

English: To display disc menus in English.
French: To display disc menus in French.
Spanish: To display disc menus in Spanish.
Others: To make a further choice.
After pressing the ENTER button, follow steps 1) - 4) below.

1) Obtain the abbreviation of the preferred language from the list 42.
2) Select the first character by pressing the ▲ / ▼ buttons.
3) Press the ◄ / ► buttons to shift and select the second character by pressing the ▲ / ▼ buttons.



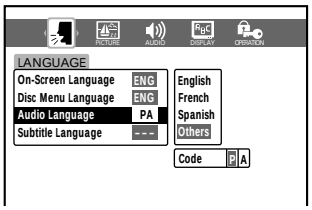
4) Press the ENTER button.

Note
Some DVD video discs may not include your pre-selected language. In this case, the DVD video player automatically displays disc menus consistent with the disc's initial language setting.

Audio Language (DVD)

English: To play sound tracks in English.
French: To play sound tracks in French.
Spanish: To play sound tracks in Spanish.
Others: To make a further choice.
After pressing the ENTER button, follow steps 1) - 4) below.

1) Obtain the abbreviation of the preferred language from the list 42.
2) Select the first character by pressing the ▲ / ▼ buttons.
3) Press the ◄ / ► buttons to shift and select the second character by pressing the ▲ / ▼ buttons.



4) Press the ENTER button.

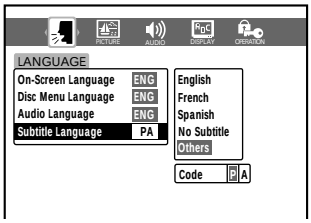
Note
Some DVD video discs may be played in a different language than you selected. A prior language may be programmed on the disc.

Subtitle Language (DVD)

English: To display subtitles in English.
French: To display subtitles in French.
Spanish: To display subtitles in Spanish.
No Subtitle: To disable subtitles.
Others: To make a further choice.
After pressing the ENTER button, follow steps 1) - 4) below.

1) Obtain the abbreviation of the preferred language from the list 42.
2) Select the first character by pressing the ▲ / ▼ buttons.

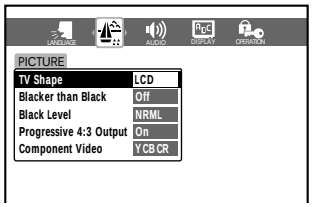
3) Press the ◄ / ► buttons to shift and select the second character by pressing the ▲ / ▼ buttons.



4) Press the ENTER button.

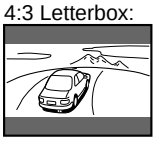
Notes

- Some DVD video discs may be set to display subtitles in a different language than you selected. A prior subtitle language may be programmed on the disc.
- Some DVD video discs allow you to change subtitle selections only via the disc menu. If this is the case, press the MENU button and choose the appropriate subtitle language from the selection on the disc menu.



TV Shape DVD

4:3 Letterbox:



Select when a standard 4:3 TV is connected.
Displays theatrical images with masking bars above and below the picture.

4:3 Normal:

Select when a standard 4:3 TV is connected.
Displays pictures cropped to fill your TV screen. Either or both sides of the picture are cut off.

16:9 Widescreen: Select when a 16:9 wide TV is connected.

16:9LCD: Select when you use the LCD of this player.
Displays pictures in the same size (4:3, 16:9, etc.) as recorded in a DVD video disc.

Notes

- The displayable picture size is preset on the DVD video disc. Therefore, the playback picture of some DVD video discs may not conform to the picture size you select.
- When you play DVD video discs recorded in the 4:3 picture size only, the playback picture always appears in the 4:3 picture area regardless of the TV shape setting.
- If you select “16:9 Widescreen” or “16:9LCD” and you own a 4:3 TV set, the DVD playback picture will be horizontally distorted during playback. Images will appear to be horizontally compressed. Always be sure that your TV shape conforms to the actual TV in use.
- When you view pictures on the LCD of this player, select “16:9LCD”.

Customizing the Function Settings (continued)

Setting details

(Continued)

Blacker than Black DVD VCD

Off: For normal use.
On: Select when you adjust the black level of your TV using a commercially available test disc that contains adjustment signals.

Black Level DVD VCD

Select the brightness of playback pictures you view on a TV which is connected to the AV OUT jack or the S VIDEO jack of this player.

Enhanced: Expanded black level.
Normal: Standard black level.

Progressive 4:3 Output DVD VCD

Make this selection when you connect the player using the COMPONENT VIDEO connector to a TV equipped with the component video inputs which does not have aspect ratio control.

Off: When you play pictures of DVD video discs or VIDEO CDs recorded in the 4:3 picture size, the COMPONENT VIDEO connector does not output them to the connected TV. To view them, connect the TV to the S VIDEO jack or the AV OUT jack of the player.

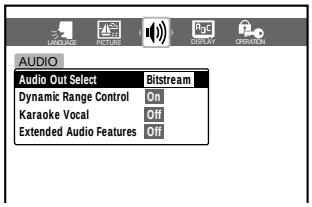
On: The COMPONENT VIDEO connector always outputs playback pictures to the connected TV. When you play pictures of DVD video discs or VIDEO CDs recorded in the 4:3 picture size, they will be horizontally stretched. To view them in the original 4:3 size, select “Off” and connect the TV to the S VIDEO jack or the AV OUT jack of the player.

Component Video DVD VCD

Select the output signal format corresponding to the scanning system (interlace or progressive) of the connected TV equipped with the component video inputs, or the color system of the monitor.

Y CB CR: Select when connected to a TV (interlace system) equipped with the component video inputs using the COMPONENT VIDEO connector.

Y PB PR: Select when connected to a TV (progressive system) equipped with the component video inputs using the COMPONENT VIDEO connector.



Audio Out Select (DVD) (VCD) (CD)

Select the output sound format corresponding to your system connection.
For details of sound recording systems, see 〈31〉.

Bitstream: Select when connected to an amplifier equipped with a Dolby Digital, DTS, MPEG1 or MPEG2 decoder. 〈48〉 〈49〉
The player outputs digital audio information in the bitstream format when you play a DVD video disc recorded on the Dolby Digital, DTS, MPEG1 or MPEG2 recording system.

Analog 2ch: Select when connected to a TV, or Dolby Pro Logic or stereo system via the analog audio jacks. 〈47〉 〈48〉

PCM: Select when connected to a 2 channel digital stereo amplifier. 〈49〉
The player outputs sounds in the PCM 2ch format when you play a DVD video disc recorded on the Dolby Digital, MPEG1 or MPEG2 recording system.

Dynamic Range Control (DVD)

Turn on or off a function that makes faint sounds easier to hear. Especially beneficial, if you lower the volume during late hours playback.

Off: Full dynamic range is maintained.
On: Dynamic range is reduced.

Notes
- This function works only during playback of Dolby Digital recorded discs.
- The level of Dynamic Range Reduction may differ depending on the DVD video disc.

Karaoke Vocal (DVD)

Off: The primary vocal is not output.
On: The primary vocal is output when it is recorded on the disc.

Notes
- The vocal output feature is used during playback of Dolby Digital (multi-channel) recorded DVD KARAOKE discs. This feature allows you to turn off vocal audio tracks, or restore them for background accompaniment.
- When playing KARAOKE, connect appropriate audio equipment such as an amplifier to the player.

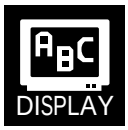
Extended Audio Features (DVD)

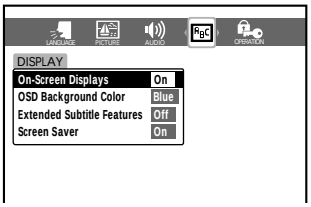
Some DVD video discs contain a special language track that describes the actions on-screen for visually impaired persons. The player automatically plays this special feature.

Off: This function does not work.
On: This function works.

Customizing the Function Settings (continued)

Setting details





On-Screen Displays (DVD) (VCD) (CD)

Off: Operational modes (e.g. “Play”, “ ”) are not displayed.
On: Operational modes (e.g. “Play”, “ ”) are displayed on-screen.

OSD Background Color (DVD) (VCD) (CD)

Blue: Blue background.
Gray: Gray background.

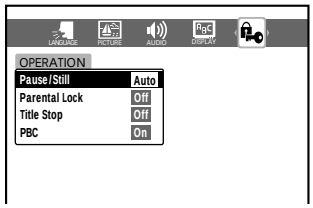
Extended Subtittle Features (DVD)

Some DVD video discs contain special subtitles, an enhancement of closed captioning for hearing impaired persons. The player automatically displays these special subtitles.

Off: This function does not work.
On: This function works.

Screen Saver (DVD)

Off: The screen saver is disengaged.
On: The screen saver operates.



Pause/Still (DVD)

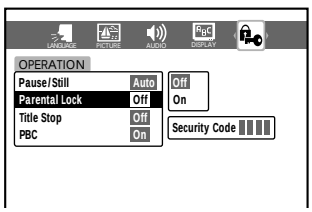
Auto: For normal use. Still and fast motion images can be paused.
Frame: The resolution of still pictures is improved, so that you can make a motionless picture sharper when you pause it.

Parental Lock (DVD)

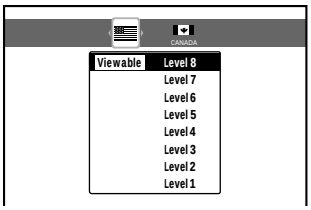
DVD video discs equipped with the parental lock function are rated according to their content. The contents allowed by a parental lock level and the way a DVD video disc can be controlled may vary from disc to disc. For example, if the disc allowed you could edit out violent scenes unsuitable for children and replace them with more suitable scenes, or lock out playback of the disc altogether.

- DVD video discs may or may not respond to the parental lock settings. This is not a defect in the player. Make sure this function works with your DVD video discs.

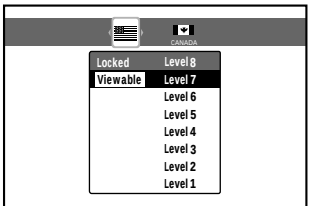
Off: The parental lock feature does not function. After pressing the ENTER button, follow step 1) below.
On: To activate the parental lock feature or change the settings.
After pressing the ENTER button, follow steps 1) - 3) below.



1) Press the number buttons to create a personal 4-digit security code, then press ENTER.
   If you make a mistake before pressing the ENTER button, press the CLEAR button and enter your 4-digit security code again.
2) Press the ◄ / ► buttons to select the country whose standards were used to rate the DVD video disc.



3) Press the ▲ / ▼ buttons to select the parental lock level, then press the ENTER button.



You cannot play DVD video discs rated higher than the level you selected unless you cancel the parental lock function.
For example, when you select level 7, discs rated higher than level 7 are locked out and cannot be played.

The parental lock level is equivalent to the following USA movie ratings.
Level 7: NC-17
Level 6: R
Level 4: PG 13
Level 3: PG
Level 1: G

The parental lock levels for “CANADA” are included for future use. Check the appropriate parental lock level when you buy a DVD video disc equipped with the parental lock feature in the future.

■ **To change the parental lock level**
Follow steps 1) - 3).

■ **To change your 4-digit security code**
1) After selecting “On” or “Off,” press the STOP button four times, then press the ENTER button.

   The 4-digit security code is cleared.
2) Press the number buttons to create a new 4-digit security code.
3) Press the ENTER button.

Title Stop (DVD)

Off: The player continues after playback of a title is completed.
On: The player stops after playback of a title is completed.

PBC (VCD)

Off: When playing a VIDEO CD without using the menu.
On: To use the menu when playing a PBC-featured VIDEO CD.

Table of Languages

Table of languages and their abbreviations

Abbreviation	Language
– – –	No alternate language
CHI (ZH)	Chinese
DUT (NL)	Dutch
ENG (EN)	English
FRE (FR)	French
GER (DE)	German
ITA (IT)	Italian
JPN (JA)	Japanese
KOR (KO)	Korean
MAY (MS)	Malay
SPA (ES)	Spanish
AA	Afar
AB	Abkhazian
AF	Afrikaans
AM	Amharic
AR	Arabic
AS	Assamese
AY	Aymara
AZ	Azerbaijani
BA	Bashkir
BE	Belorussian
BG	Bulgarian
BH	Bihari
BI	Bislama
BN	Bengali, Bangla
BO	Tibetan
BR	Breton
CA	Catalan
CO	Corsican
CS	Czech
CY	Welsh
DA	Danish
DZ	Bhutani
EL	Greek
EO	Esperanto
ET	Estonian
EU	Basque
FA	Persian
FI	Finnish
FJ	Fiji
FO	Faroese
FY	Frisian
GA	Irish
GD	Scottish Gaelic
GL	Galician

Abbreviation	Language
GN	Guarani
GU	Gujarati
HA	Hausa
HI	Hindi
HR	Croatian
HU	Hungarian
HY	Armenian
IA	Interlingua
IE	Interlingue
IK	Inupiak
IN	Indonesian
IS	Icelandic
IW	Hebrew
JI	Yiddish
JW	Javanese
KA	Georgian
KK	Kazakh
KL	Greenlandic
KM	Cambodian
KN	Kannada
KS	Kashmiri
KU	Kurdish
KY	Kirghiz
LA	Latin
LN	Lingala
LO	Laotian
LT	Lithuanian
LV	Latvian, Lettish
MG	Malagasy
MI	Maori
MK	Macedonian
ML	Malayalam
MN	Mongolian
MO	Moldavian
MR	Marathi
MT	Maltese
MY	Burmese
NA	Nauru
NE	Nepali
NO	Norwegian
OC	Occitan
OM	(Afan) Oromo
OR	Oriya
PA	Panjabi
PL	Polish
PS	Pashto, Pushto

Abbreviation	Language
PT	Portuguese
QU	Quechua
RM	Rhaeto-Romance
RN	Kirundi
RO	Rumanian
RU	Russian
RW	Kinyarwanda
SA	Sanskrit
SD	Sindhi
SG	Sango
SH	Serbo-Croatian
SI	Singhalese
SK	Slovak
SL	Slovenian
SM	Samoan
SN	Shona
SO	Somali
SQ	Albanian
SR	Serbian
SS	Siswati
ST	Sesotho
SU	Sundanese
SV	Swedish
SW	Swahili
TA	Tamil
TE	Telugu
TG	Tajik
TH	Thai
TI	Tigrinya
TK	Turkmen
TL	Tagalog
TN	Setswana
TO	Tongan
TR	Turkish
TS	Tsonga
TT	Tatar
TW	Twi
UK	Ukrainian
UR	Urdu
UZ	Uzbek
VI	Vietnamese
VO	Volapük
WO	Wolof
XH	Xhosa
YO	Yoruba
ZU	Zulu

Connections

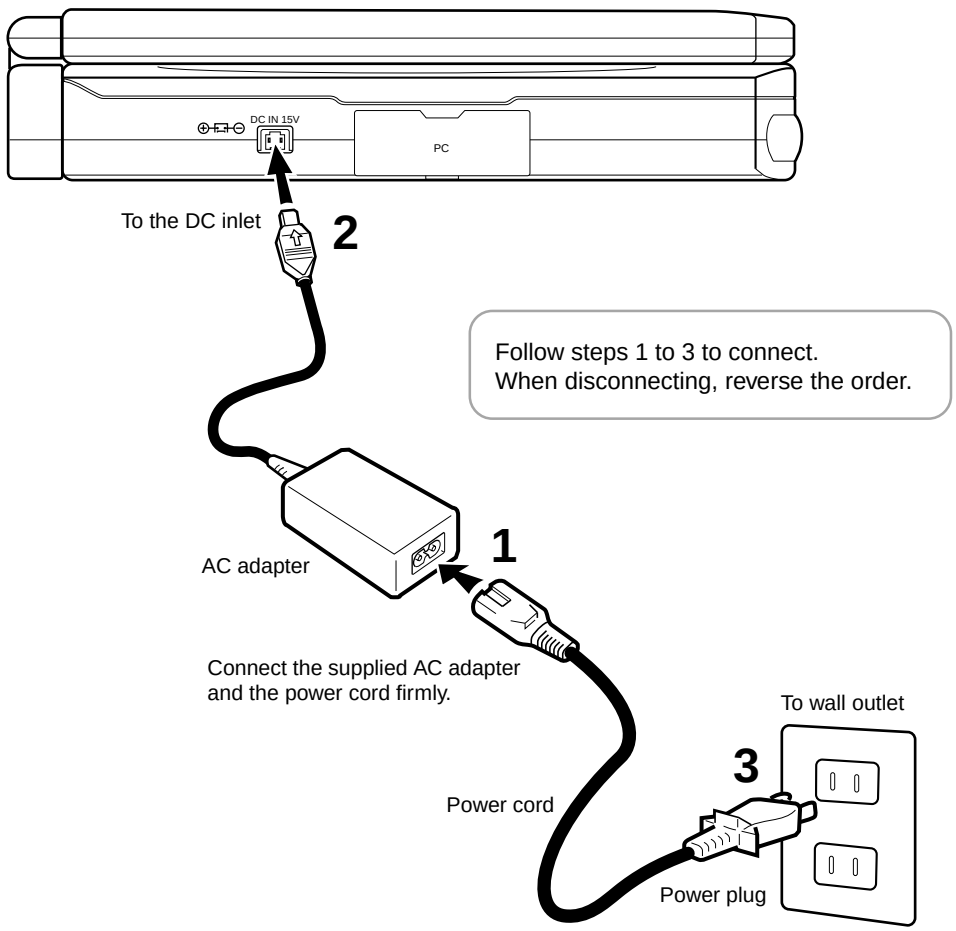
Read this chapter first to make the necessary preparations.

- **Power Connection**
- **Connecting to a TV**
- **Connecting to Optional Equipment**
- **Connecting to a PC**

Power Connection

Connect the supplied AC adapter to power the player.
For outdoor use, the battery pack (supplied) is also available.
When using the battery pack, follow the instructions on page 45.

Caution
- Do not connect the power plug to a power outlet other than that indicated on the label, as this can result in a risk of fire or electric shock.
- Do not connect or disconnect the power plug with wet hands. Doing so may cause electric shock.
- Do not use an AC adapter other than one specified, as it can cause a fire or damage to the player.



Warning
- Do not use a battery pack other than one specified as it can result in a fire or damage to the unit.
- Do not heat, open, or short-circuit the battery pack. Do not throw the battery pack into a fire. Doing so may cause an explosion or a fire.
- Make sure that the battery pack is attached firmly to the player when using it.

Using the battery pack

Use a battery pack MEDB01AX (supplied). Charge it before using.

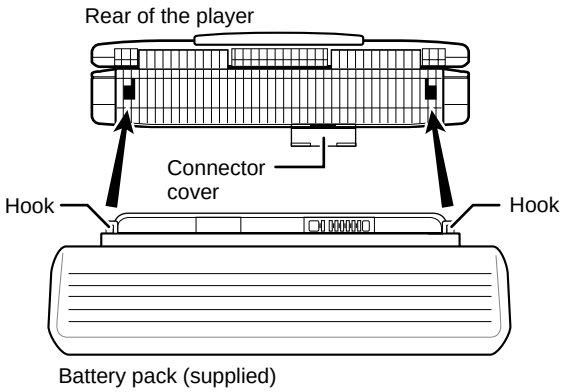
■ Attaching the battery pack

First disconnect the AC adapter and the power cord from the player, then attach the battery pack.

1 Open the connector cover on the bottom of the player.

2 Insert the hooks of the battery pack into the holes on the rear of the player.

3 Slide the battery pack up until the hooks click.



■ Charging the battery pack

1 Attach the battery pack to the player.

2 Connect the supplied AC adapter and the power cord to the player. 44

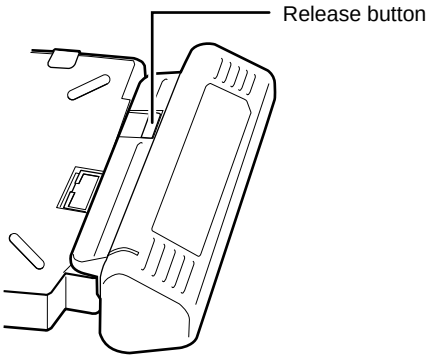
Charging starts, and the POWER/CHG indicator illuminates in orange.
When the charging is completed, the POWER/CHG indicator turns off.
Charging time is approximately 3.5 hours. The player will operate for about 2.5 hours at normal temperature if powered by a charged brand-new battery pack. Charging time and life of a battery pack vary depending on environmental conditions and operational status. Low temperature will extend the charging time and shorten the life.

Notes
- The attached battery pack may get warm when you are charging it or operating the player. This is not a defect.
- The POWER/CHG indicator flashes in green when the power in the battery pack is running out.

■ Detaching the battery pack

1 Disconnect the AC adapter and the power cord from the player.

2 Detach the battery pack while pressing the release button.



Note
Do not detach the battery pack while you are operating the player (while the POWER/CHG indicator illuminates in green).

■ LCD brightness while using the battery pack

Since the player operates in a power saving mode when attached the battery pack, the LCD brightness may be reduced. It can be restored by pressing the DIMMER button on the remote control, however in this case, battery pack life will be shortened.

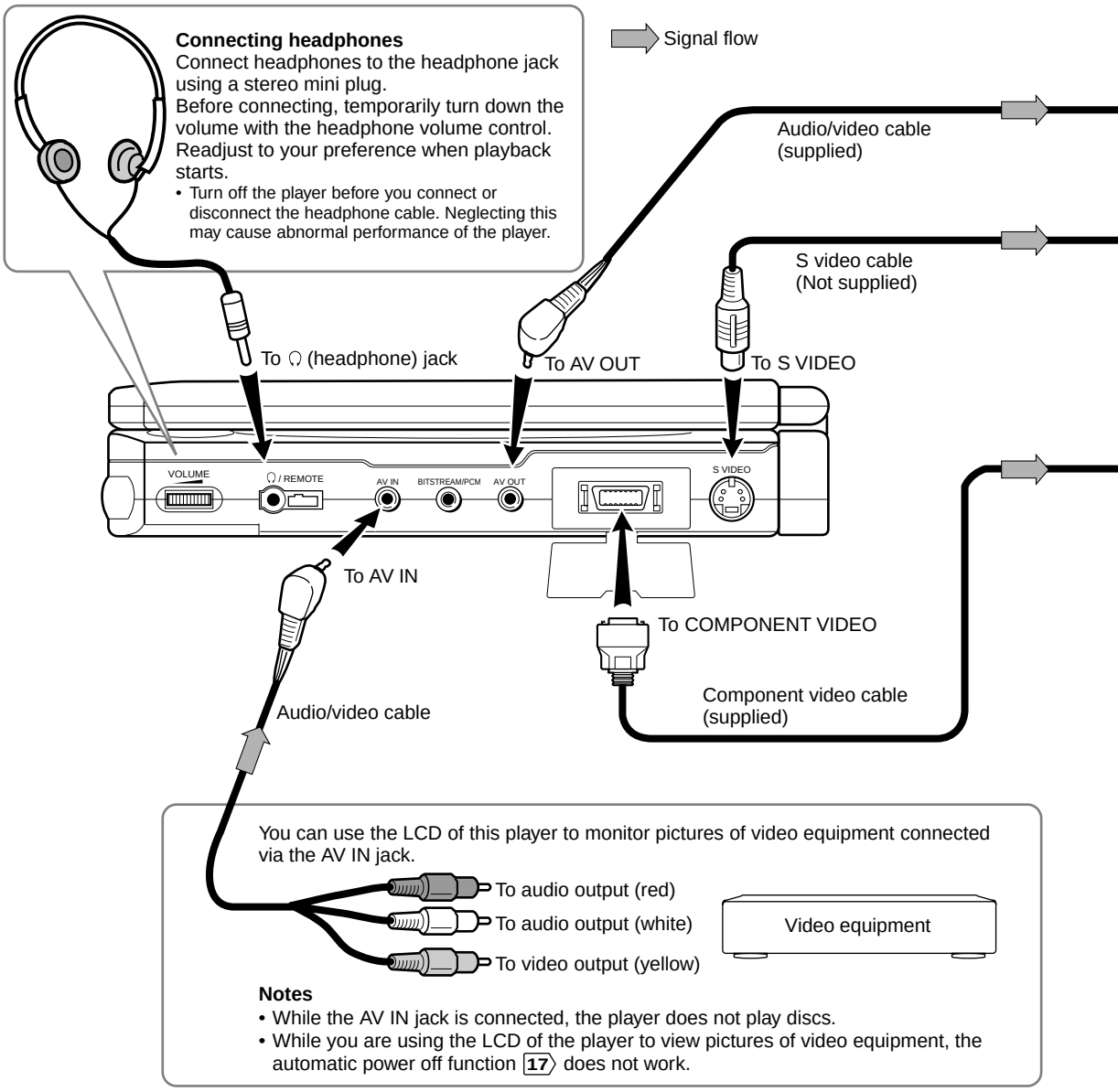
■ Note on the top cover while using the battery pack

Be careful when opening the top cover to its full extent when using the player with the battery pack, as the top cover may knock against the battery pack, causing serious damage to the player.

Connecting to a TV

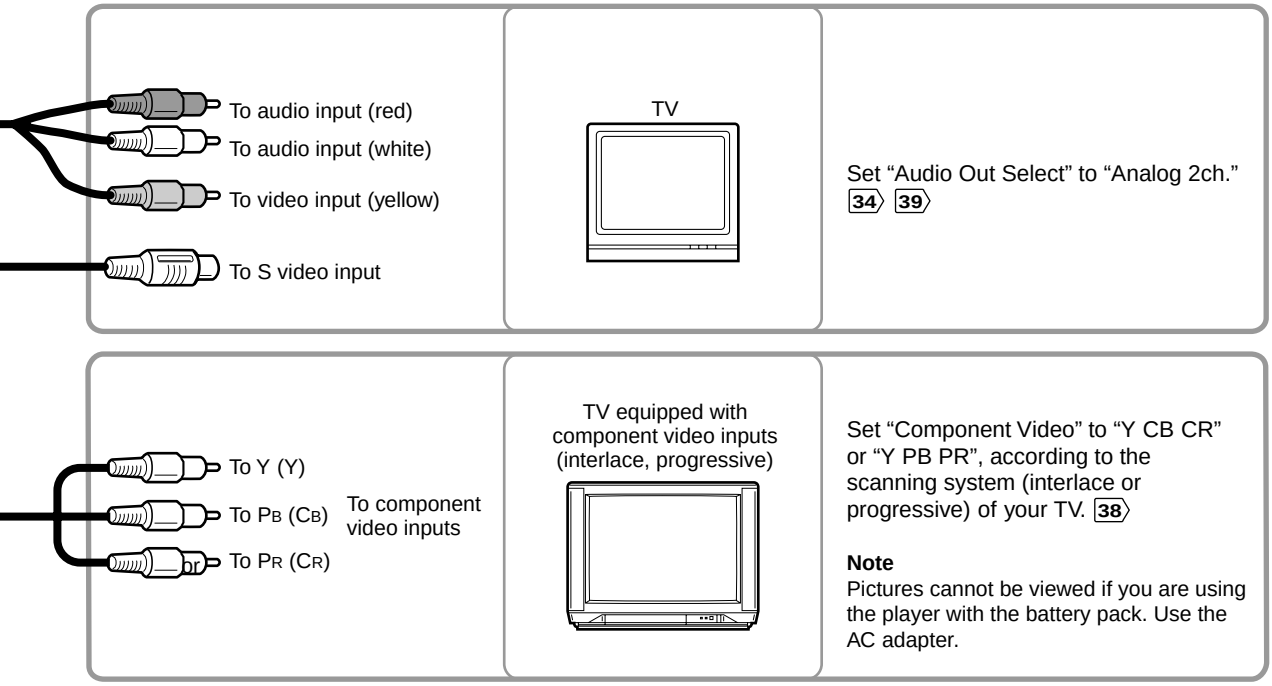
Connect the player to a TV to view playback pictures.
For details of output sound, see 31.

Caution
When you use headphones, keep the volume at a moderate level. If you use the headphones continuously with high volume sound, it may cause hearing damage.


Connecting headphones
Connect headphones to the headphone jack using a stereo mini plug.
Before connecting, temporarily turn down the volume with the headphone volume control. Readjust to your preference when playback starts.
• Turn off the player before you connect or disconnect the headphone cable. Neglecting this may cause abnormal performance of the player.
Signal flow
Audio/video cable (supplied)
S video cable (Not supplied)
To ∩ (headphone) jack
To AV OUT
To S VIDEO
VOLUME
∩ / REMOTE
AV IN
BITSTREAM/PCM
AV OUT
S VIDEO
To AV IN
To COMPONENT VIDEO
Component video cable (supplied)
Audio/video cable
You can use the LCD of this player to monitor pictures of video equipment connected via the AV IN jack.
To audio output (red)
To audio output (white)
To video output (yellow)
Video equipment
Notes
• While the AV IN jack is connected, the player does not play discs.
• While you are using the LCD of the player to view pictures of video equipment, the automatic power off function 17 does not work.

Notes

- Refer to the owner's manual of the connected TV (or other equipment) as well.
- When you connect the player to your TV, be sure to turn off the power and unplug both units from the wall outlet before making any connections.
- Connect the player directly to your TV. If you connect the player to a VCR, TV/VCR combination or video selector, the playback picture may be distorted as DVD video discs are copy protected.
- If you place the player near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the player away from the tuner and radio.
- The output sound of the player has a wide dynamic range. Be sure to adjust the receiver's volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high volume sound.


To audio input (red)
To audio input (white)
To video input (yellow)
To S video input
TV
Set “Audio Out Select” to “Analog 2ch.” 34 39
To Y (Y)
To PB (CB)
To PR (CR)
To component video inputs
TV equipped with component video inputs (interlace, progressive)
Set “Component Video” to “Y CB CR” or “Y PB PR”, according to the scanning system (interlace or progressive) of your TV. 38
Note
Pictures cannot be viewed if you are using the player with the battery pack. Use the AC adapter.

You can enjoy playback sounds on your audio system by connecting the AV OUT jack or BITSTREAM/PCM jack on the player to the audio inputs on your audio equipment.
For the connection to audio equipment, see 48.

Using the S video cable

If the TV has an S video input, connect the player with the supplied S video cable for better quality playback picture.
The S video cable transmits video signals only. To obtain sound output, be sure to connect the red and white plugs of the supplied audio/video cable to your TV’s audio inputs.
When using the S video cable, do not connect the yellow video cable.

PROGRESSIVE outputs/inputs (ColorStream®Pro)
Some TVs or monitors are equipped with component video inputs that are capable of reproducing a progressively scanned video signal. Connecting to these inputs allows you to view the highest quality pictures with less flicker.

INTERLACED outputs/inputs (ColorStream®)
Some TVs or monitors are equipped with component video inputs. Connecting to these inputs allows you to enjoy higher quality picture playback.
Actual labels for component video inputs may vary depending on the TV manufacturer. (ex. Y, R-Y, B-Y or Y, CB, CR)
In some TVs or monitors, the color levels of the playback picture may be reduced slightly or the tint may change. In such a case, adjust the TV or monitor for optimum performance.

Connecting to Optional Equipment

You can enjoy high quality dynamic sounds by connecting the player to optional audio equipment.

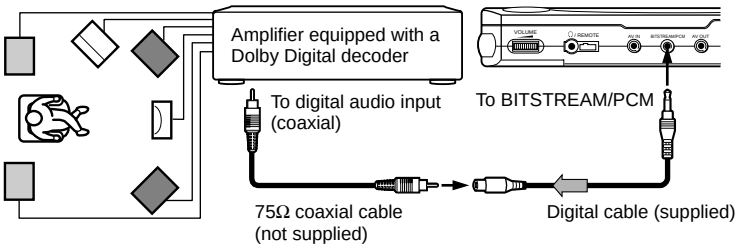
For connection to your TV, see “Connecting to a TV” 46 47.
For details of output sound, see 31.

: Front speaker
: Rear speaker
: Sub woofer
: Center speaker
: Signal flow

Connecting to an amplifier equipped with a Dolby Digital decoder

Dolby Digital
Dolby Digital is the surround sound technology used in theaters showing the latest movies, and is now available to reproduce this realistic effect in the home. You can enjoy motion picture and live concert DVD video discs with this dynamic realistic sound by connecting the player to a 6 channel amplifier equipped with a Dolby Digital decoder or Dolby Digital processor. If you have a Dolby Pro Logic Surround decoder, you will obtain the full benefit of Pro Logic from the same DVD movies that provide full 5.1-channel Dolby Digital soundtracks, as well as from titles with the Dolby Surround mark.

Manufactured under license from Dolby Laboratories. “Dolby” and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works. ©1992-1997 Dolby Laboratories. All rights reserved.


Amplifier equipped with a Dolby Digital decoder
To digital audio input (coaxial)
To BITSTREAM/PCM
75Ω coaxial cable (not supplied)
Digital cable (supplied)

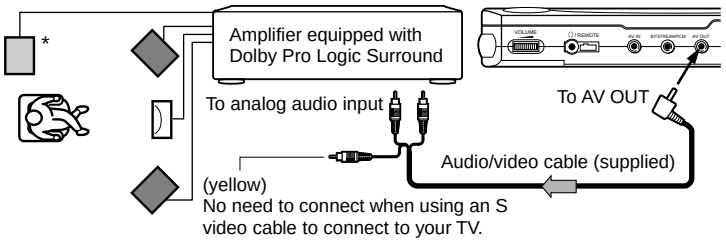
- Use DVD video discs encoded via the Dolby Digital recording system.
- Make the following setting.

On-screen display	Select:	Page
“Audio Out Select”	“Bitstream”	34 39
Recording system	D	31

Connecting to an amplifier equipped with Dolby Pro Logic Surround

Dolby Pro Logic Surround
You can enjoy the dynamic realistic sound of Dolby Pro Logic Surround by connecting an amplifier and speaker system (right and left front speakers, a center speaker, and one or two rear speakers).

- With an amplifier equipped with Dolby Digital
  Connect the equipment the same way as described in “Connecting to an amplifier equipped with a Dolby Digital decoder.” Refer to that amplifier’s owner’s manual and set the amplifier so you can enjoy Dolby Pro Logic Surround sound.
- With an amplifier not equipped with Dolby Digital
  Connect the equipment as follows.


*
Amplifier equipped with Dolby Pro Logic Surround
To analog audio input
To AV OUT
Audio/video cable (supplied)
(yellow)
No need to connect when using an S video cable to connect to your TV.

- Make the following setting.

On-screen display	Select:	Page
“Audio Out Select”	“Analog 2ch”	34 39

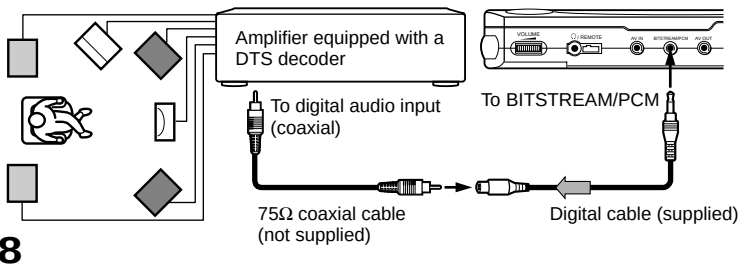
Be sure to set “Audio Out Select” to “Analog 2ch” when you enjoy sounds of Dolby Pro Logic Surround using this connection.

* Connect one or two rear speakers.
The output sound from the rear speakers will be monaural even if you connect two rear speakers.

Connecting to an amplifier equipped with a DTS decoder

Digital Theater Systems (DTS)
DTS is a high quality surround technology used in theaters and now available for home use, on DVD video discs or audio CDs.
If you have a DTS decoder or processor, you can obtain the full benefit of 5.1 channel DTS encoded sound tracks on DVD video discs or audio CDs.

“DTS” and “DTS Digital Surround” are trademarks of Digital Theater Systems, Inc.


Amplifier equipped with a DTS decoder
To digital audio input (coaxial)
To BITSTREAM/PCM
75Ω coaxial cable (not supplied)
Digital cable (supplied)

- Use DVD video discs or audio CDs encoded via the DTS recording system.
- Make the following setting.

On-screen display	Select:	Page
“Audio Out Select”	“Bitstream”	34 39
Recording system	DTS	31

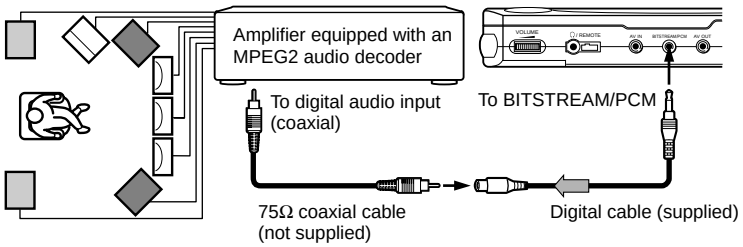
Warning

- When you are connecting (via the BITSTREAM/PCM jack) an AV decoder that does not have the Dolby Digital, Digital Theater Systems (DTS) or MPEG2 decoding function, be sure to set “Audio Out Select” to “PCM” from the on-screen displays 〈34〉〈39〉. Otherwise, high volume sound may damage your hearing as well as the speakers.
- When playing DTS-encoded discs (DVD video discs and audio CDs), excessive noise may be output from the analog stereo jacks. To avoid possible damage to the audio system, you should take proper precautions when the AV OUT jack of the player is connected to an amplification system. To enjoy DTS Digital Surround™ playback, an external 5.1 channel DTS Digital Surround™ decoder system must be connected to the BITSTREAM/PCM jack of the player.

Connecting to an amplifier equipped with an MPEG2 audio decoder

MPEG2 sound

You can enjoy motion picture and live concert DVD video discs with dynamic realistic sound by connecting an amplifier equipped with an MPEG2 audio decoder or MPEG2 audio processor.


Amplifier equipped with an MPEG2 audio decoder
To digital audio input (coaxial)
To BITSTREAM/PCM
75Ω coaxial cable (not supplied)
Digital cable (supplied)

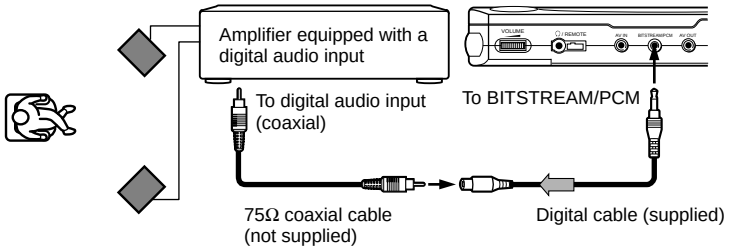
- Use DVD video discs encoded via the MPEG2 recording system.
- Make the following setting.

On-screen display	Select:	Page
“Audio Out Select”	“Bitstream”	〈34〉 〈39〉
Recording system	MPEG	〈31〉

Connecting to an amplifier equipped with a digital audio input

2 channel digital stereo

You can enjoy the dynamic sound of 2 channel digital stereo by connecting an amplifier equipped with a digital audio input and speaker system (right and left front speakers).


Amplifier equipped with a digital audio input
To digital audio input (coaxial)
To BITSTREAM/PCM
75Ω coaxial cable (not supplied)
Digital cable (supplied)

- Make the following setting.

On-screen display	Select:	Page
“Audio Out Select”	“PCM”	〈34〉 〈39〉

Notes

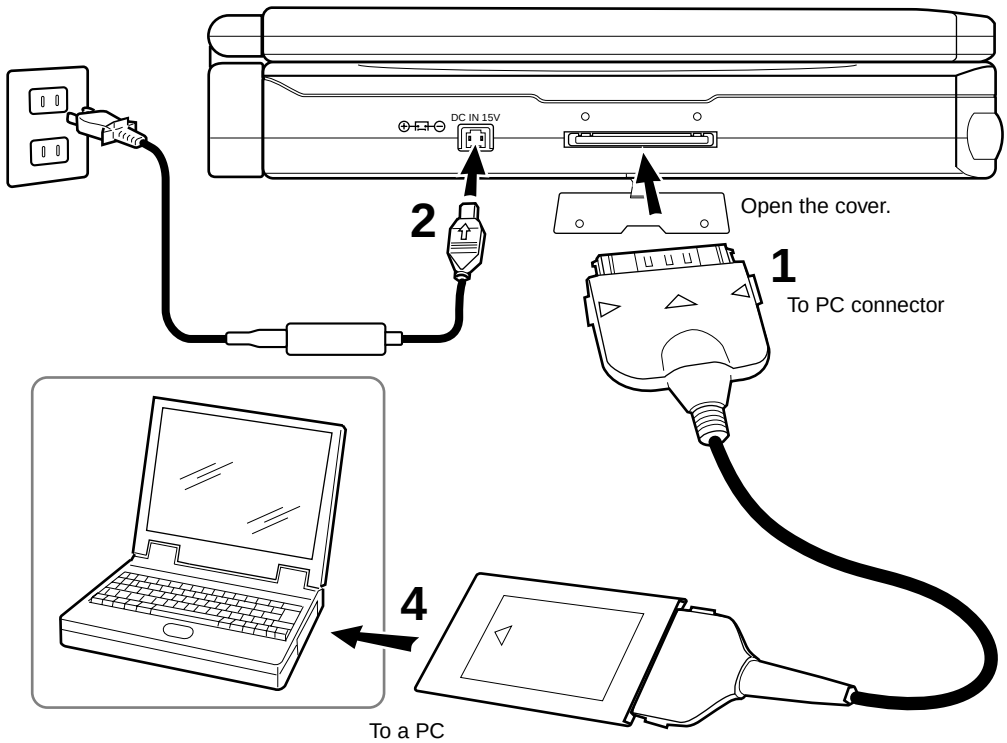
- DO NOT connect the BITSTREAM/PCM jack of the player to the AC-3 RF input of a Dolby Digital Receiver. This input on your A/V Receiver is reserved for Laserdisc use only and is incompatible with the BITSTREAM/PCM jack of the player.
- Connect the BITSTREAM/PCM jack of the player to the “COAXIAL” input of a Receiver or Processor.
- Refer to the owner’s manual of the connected equipment as well.
- When you connect the player to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.
- The output sound of the player has a wide dynamic range. Be sure to adjust the receiver’s volume to a moderate listening level. Otherwise, the speakers may be damaged by a sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the player’s power cord. If you leave the amplifier power on, the speakers may be damaged.

Connecting to a PC

This player can be connected to a PC using an ATAPI card (option: MEDC01AX).
By connecting to a PC, you can use this player as a 4 times speed DVD-ROM drive or a 24 times speed CD-ROM drive.

When connected to a PC using an ATAPI card, the player operates as a DVD-ROM/CD-ROM drive exclusively.
When you do not use this player as a DVD-ROM/CD-ROM drive, disconnect the connection cable from the PC connector. As long as it is connected the cable, the player will not function as a video player.

■ **An ATAPI card (option) is necessary for connection to a PC.**
For details, refer to the instruction supplied with the ATAPI card.



1 **Connect the connection cable of the ATAPI card to the player.**

2 **Connect the supplied AC adapter to the player.** 44

3 **Follow steps 1 to 4 on page 14.**

4 **Connect the ATAPI card to a PC.**

Notes
- While you are using the player as a DVD-ROM/CD-ROM drive, audio signals (including those from the headphone jack) are not output.
- While you are using the player as a DVD-ROM/CD-ROM drive, no picture is displayed on the LCD.
- Some PC systems may require software to play DVD video disc and VIDEO CDs.

Others

- **Before Calling Service Personnel**
- **Specifications**
- **Identification of Controls**
- **LIMITED WARRANTY PORTABLE DVD PLAYER**

Before Calling Service Personnel

Check the following guide for the possible cause of a problem before contacting service.

Symptoms and correction

Symptom	Cause	Correction	Page
No power.	• The AC adapter or power plug is disconnected.	• Connect the AC adapter or power plug securely.	44
	• Dead batteries.	• Re-charge the battery.	45
The player turned off by itself.	• The automatic power off function turned the unit off.	• Press the ▶ (PLAY) button.	17
No picture.	• The TV is not set to receive DVD signal output.	• Select the appropriate video input mode on the TV so the picture from the player appears on the TV screen.	14
	• The audio/video cable is not connected securely.	• Connect the audio/video cable securely into the appropriate jacks.	46, 47
No sound.	• The equipment connected with the audio/video cable is not set to receive DVD signal output.	• Select the correct input mode of the audio receiver so you can listen to the sound from the player.	47
	• The audio/video cable is not connected securely.	• Connect the audio/video cable securely into the appropriate jacks.	46, 47 48, 49
	• The audio receiver or TV is turned off.	• Turn on the equipment connected with the audio/video cable.	46, 47 48, 49
	• The setting of output sound format is incorrect.	• Select the proper audio setting.	31, 34 39
The playback picture has occasional distortion.	• The disc is dirty.	• Eject the disc and clean it.	10
	• It is in fast forward or fast reverse playback.	• Sometimes a small amount of picture distortion may appear. This is not a malfunction.	–
	• The main unit was moved or given a shock.	• Vibrating or shaking the unit during playback may produce distortion. This is not a malfunction. If not restored to usual status, stop the playback and start again.	–
	• The disc is not set firmly.	• Remove the disc and set it again.	14
Brightness is unstable or noises are present in the playback pictures.	• The effect of copy protection.	• Connect the player directly to the TV. Avoid connecting the player to a VCR or TV/VCR combination.	46
The player does not start playback.	• No disc is inserted.	• Insert a disc.	14
	• An unplayable disc is inserted.	• Insert a playable disc. (Check the disc type and color system.)	11
	• The disc is inserted upside down.	• Insert the disc with the playback side down.	14
	• The disc is not inserted securely.	• Insert the disc securely in the disc holder.	14
	• The disc is dirty.	• Clean the disc.	10
	• The parental lock function is set.	• Cancel the parental lock function or change the parental lock level.	40
Playback does not follow the course of the disc's program.	• It is in the mode of repeat playback, memory playback, etc.	• These operations may prevent a proper progression of the contents.	–
Buttons do not work.	• Power supply fluctuations or other abnormalities such as static electricity may interrupt correct operations.	• Turn the power on or off with the POWER button. Or disconnect the power plug and insert it into the wall outlet again.	–
	• The buttons are locked.	• Release the buttons.	17
The remote control does not work properly.	• The remote control is not pointed at the remote sensor of the player.	• Point the remote control at the remote sensor of the player.	57
	• The remote control is too far from the player.	• Operate the remote control within about 7 m.	57
	• The batteries in the remote control are exhausted.	• Replace the batteries with new ones.	57

Specifications

Player / Connectors / Liquid crystal display / Supplied accessories

Player

Power supply	DC 15 V (Rated current : 2 A) 120 V AC, 60 Hz (with the supplied AC adapter)
Mass	680 g
External dimensions	139 × 32 × 149 mm (W/H/D)
Signal system	Standard NTSC
Laser	Semiconductor laser, wavelength 650 nm / 795 nm
Frequency range	DVD linear sound : 48 kHz sampling 4 Hz to 22 kHz 96 kHz sampling 4 Hz to 44 kHz
Operating conditions	Temperature: 5 °C to 35 °C, Operation status: Horizontal

Connectors

Video output (AV OUT)	1.0 V (p-p), 75 Ω, negative sync., Ø3.5mm mini jack × 1
S video output (S VIDEO)	(Y) 1.0 V (p-p), 75 Ω, negative sync., Mini DIN 4-pin × 1 (C) 0.286 V (p-p), 75 Ω
Component video output (COMPONENT VIDEO)	D connector 14-pin, 2 lines, 1.27 mm pitch (Y): 1.0 V (p-p), 75 Ω, (P_B/C_B • P_R/C_R): 0.7 V (p-p), 75 Ω
Audio output (BITSTREAM/PCM)	Optical/coaxial connector (Ø3.5mm) × 1
Audio output (AV OUT)	2.0 V (rms), 220 Ω, Ø3.5mm mini jack × 1
Video input (AV IN)	1.0 V (p-p), 75 Ω, negative sync., Ø3.5mm mini jack × 1
Audio input (AV IN)	2.0 V (rms), Ø3.5mm mini jack × 1
Headphone terminal	Ø3.5mm stereo mini jack × 1

Liquid crystal display

Panel size	5.8 inches (76.32 mm × 127.2 mm)
Projection system	TN color transmission
Driving system	TFT active matrix
Resolution	800 × 480 (effective pixel rate : more than 99.99%)

Supplied accessories

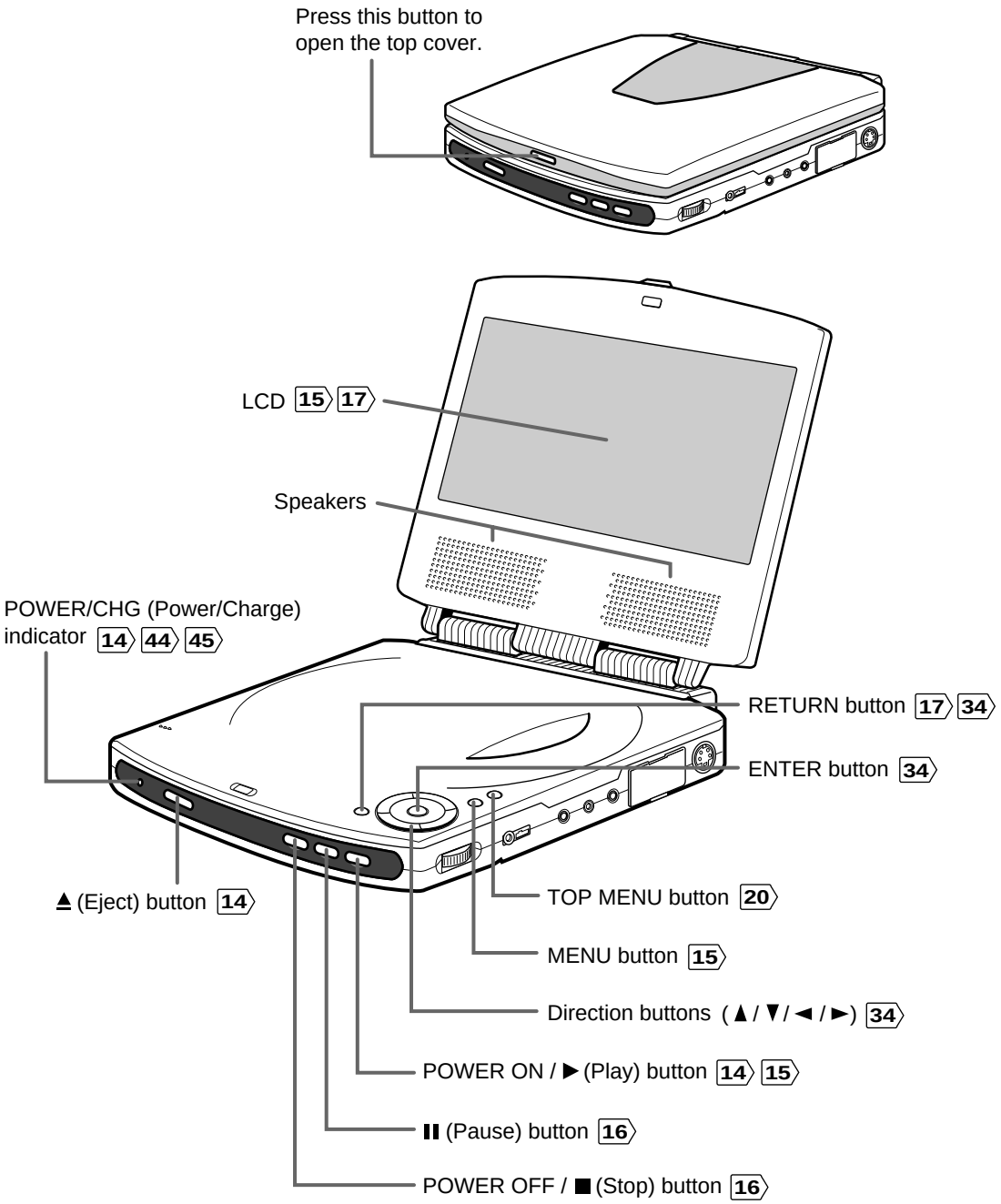
Audio/video cable 1
Remote control (MEDR02UX) 1
Batteries (AA) 2
AC adapter (PA2501U) 1
Battery pack (MEDB01AX) 1
Headphones 1
Digital cable 1
Component video cable 1
Power cord 1

• Designs and specifications are subject to change without notice.

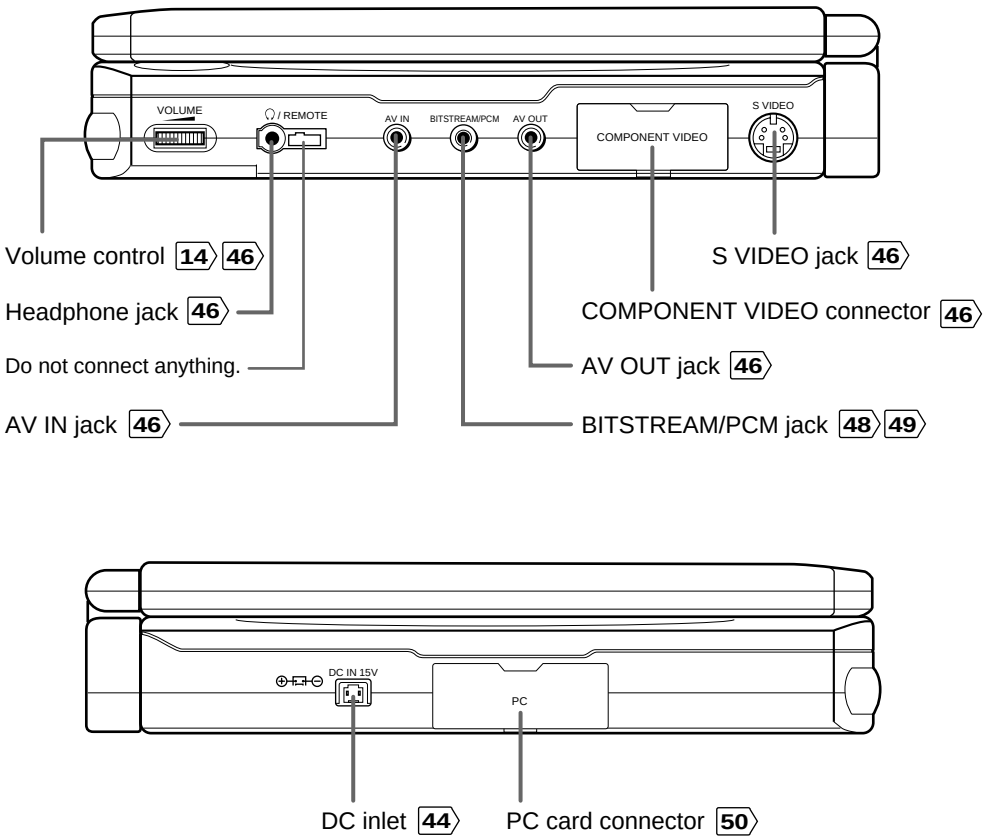
Identification of Controls

See the page in 〉 for details.

Main unit


Press this button to open the top cover.
LCD 15 17
Speakers
POWER/CHG (Power/Charge) indicator 14 44 45
RETURN button 17 34
ENTER button 34
▲ (Eject) button 14
TOP MENU button 20
MENU button 15
Direction buttons (▲/▼/◄/►) 34
POWER ON / ► (Play) button 14 15
❚❚ (Pause) button 16
POWER OFF / ■ (Stop) button 16

Side view

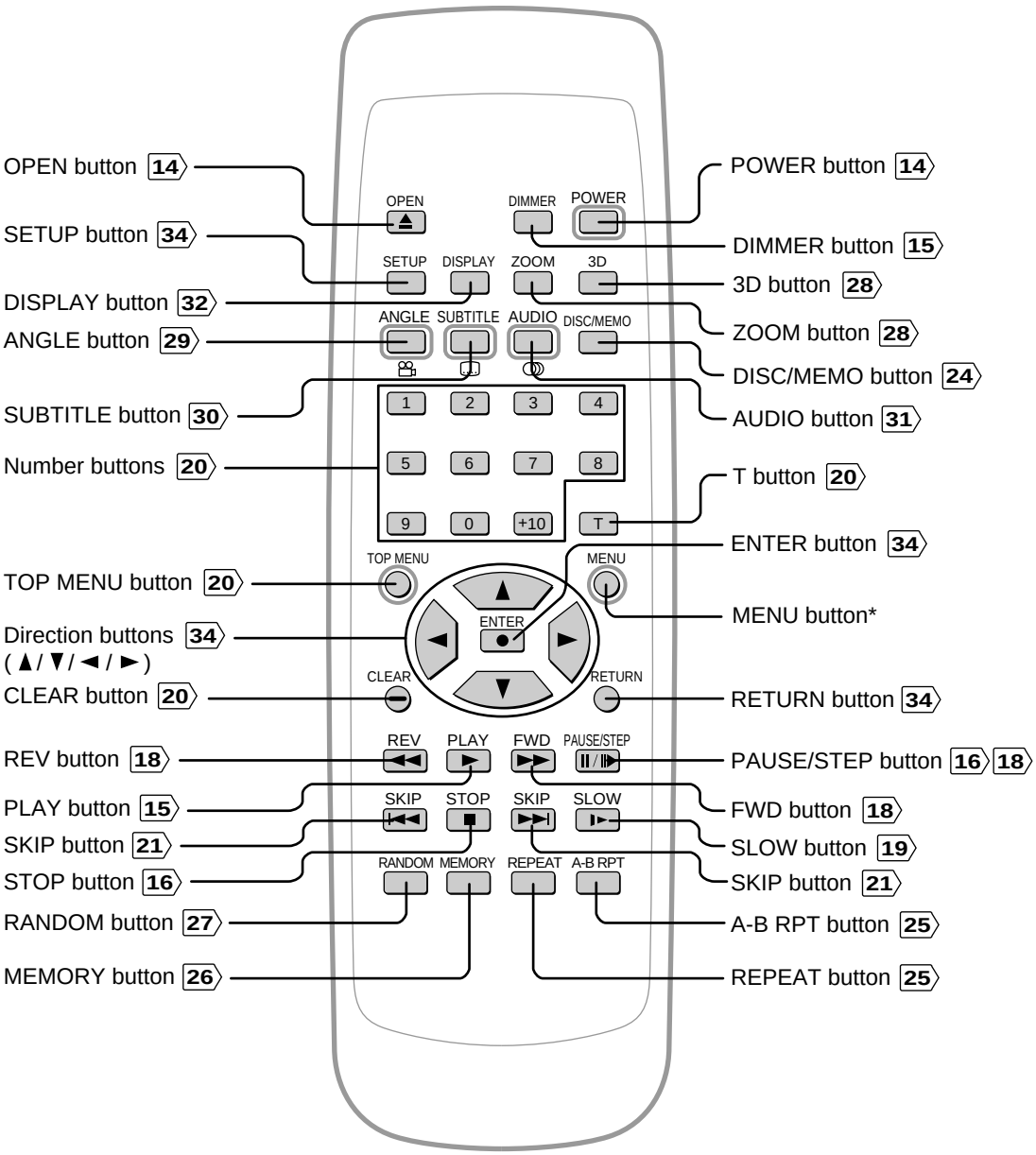

VOLUME
/ REMOTE
AV IN
BITSTREAM/PCM
AV OUT
COMPONENT VIDEO
S VIDEO
Volume control 14 46
Headphone jack 46
Do not connect anything.
AV IN jack 46
S VIDEO jack 46
COMPONENT VIDEO connector 46
AV OUT jack 46
BITSTREAM/PCM jack 48 49

DC IN 15V
PC
DC inlet 44
PC card connector 50

Identification of Controls (continued)

The instructions in this manual describe the functions of the remote control. See the page in 〉 for details.

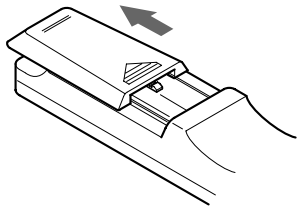
Remote control



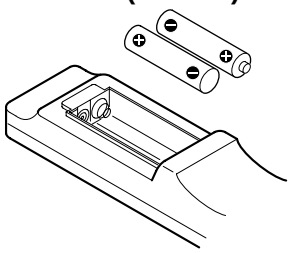
*** MENU button**
Use the MENU button to display the menu included on many DVD video discs. To operate a menu, follow the instructions in “Locating a title using the top menu.” 〉20〉

Loading batteries

1 **Open the cover.**

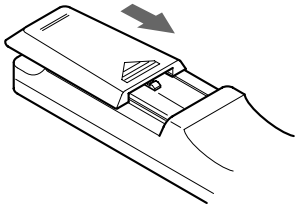


2 **Insert batteries (AA size).**



Make sure to match the + and – on the batteries to the marks inside the battery compartment.

3 **Close the cover.**



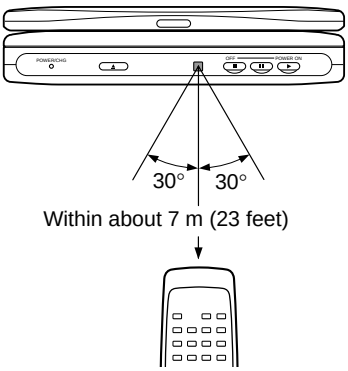
Notes on batteries

Improper use of batteries may cause battery leakage and corrosion. To operate the remote control correctly, follow the instructions below.

- Do not insert batteries into the remote control in the wrong direction.
- Do not charge, heat, open, or short-circuit the batteries. Do not throw batteries into a fire.
- Do not leave dead or exhausted batteries in the remote control.
- Do not use different types of batteries together, or mix old and new batteries.
- If you do not use the remote control for a long period of time, remove the batteries to avoid possible damage from battery corrosion.
- If the remote control does not function correctly or if the operating range becomes reduced, replace all batteries with new ones.
- If battery leakage occurs, wipe the battery liquid from the battery compartment, then insert new batteries.

Operating with the remote control

Point the remote control at the remote sensor and press the buttons.



Distance: About 7 m (23 feet) from the front of the remote sensor
Angle: About 30° in each direction of the front of the remote sensor

* Do not expose the remote sensor of the player to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the player via the remote control.

Notes on the remote control

- Direct the remote control at the remote sensor of the player.
- Do not drop or give the remote control a shock.
- Do not leave the remote control near an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Do not open the remote control.

LIMITED WARRANTY PORTABLE DVD PLAYER

Toshiba America Consumer Products, Inc. (“TACP”) and Toshiba Hawaii, Inc. (“THI”) make the following limited warranties. These limited warranties extend to original consumer purchaser or any person receiving this set as a gift from the original consumer purchaser and to no other purchaser or transferee.

Limited Ninety (90) Day Warranty
TACP/THI warrant this product against defects in materials or workmanship for a period of ninety (90) days after the date of original retail purchase. During this period, TACP/THI will repair a defective product or part, without charge to you. You must deliver the entire product to a TACP/THI Authorized Service Station. You are responsible for all transportation and insurance charges for the unit to and from the Authorized Service Station.

Limited One (1) Year Warranty
TACP/THI further warrant the parts in this product against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. During this period, TACP/THI will repair or replace a defective part, without charge to you, except that if a defective part is replaced after ninety (90) days from the date of the original retail purchase you pay labor charges involved in the replacement. You must also deliver the entire product to a TACP/THI Authorized Service Station. You are responsible for all transportation and insurance charges for the unit to and from the Authorized Service Station.

Rental Units
The warranty for rental units begin with the first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

Commercial Units
Products sold and used for commercial use have a limited ninety (90) day warranty for all parts and labor.

Owner’s Manual
You should read the owner’s manual thoroughly before operating this product. You should complete and mail the enclosed Demographic card within ten (10) days after you, or the person who has given you this product as a gift, purchased this product. This is one way to enable TACP to provide you with better customer service and improved products. Failure to return the card will not affect your rights under this warranty.

Your Responsibility
The above warranties are subject to the following conditions:

(1) You must retain your bill of sale or provide other proof of purchase.
(2) You must notify a TACP/THI/TCL Authorized Service Station within thirty (30) days after you discover a defective product or part.
(3) All warranty servicing of this product must be made by a TACP/THI/TCL Authorized Service Station.
(4) U.S.A. warranties are effective only if the product is purchased and operated in the Continental U.S.A. or Puerto Rico.
(5) Labor service charges for set installation. Set up, adjustment of customer controls and installation or repair of antenna systems are not covered by this warranty. Reception problems caused by inadequate antenna systems are your responsibility.
(6) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any product or parts which have been lost or discarded by you or to damage to products or parts caused by misuse, accident, damage caused by Acts of God, such as lighting or fluctuations in electric power, improper installation, improper maintenance or use in violation of instructions furnished by us; or to units which have been altered or modified without authorization of TACP/THI/TCL or to damage to products or part thereof which have had the serial number removed, altered, defaced or rendered illegible.
(7) Physically damaged DVD Units are not acceptable for repair or exchange whether in or out of warranty and will be returned as received.

How to Obtain Service

(1) Refer to the troubleshooting guide in your owner's manual. This checklist may solve your problem or check our web site at **WWW.TOSHIBA.COM/TACP**.
(2) Products shipped to the Service Station must be insured and safely and securely packed, preferably in the original shipping carton, and a letter explaining the defect and also a copy of the bill of sale or other proof of purchase must be enclosed.

In United States contact:
Toshiba America Consumer Products Inc.

(800)-631-3811

In Hawaii contact:
Toshiba Hawaii, Inc.
327 Kamakee St
Honolulu, HI 96814
(808)-521-5377

In Canada contact:
Consumer Electronics Group
191 McNabb St
Markham, Ontario L3R 8H2
(905)-470-5400

Consumer Electronics Group
22171 Fraserwood Way
Richmond, B.C. V6W 1J5
(604)-303-2500

Consumer Electronics Group
1643 North Service Rd
Dorval, QC H9P 1J1
(514)-856-4100

All warranties implied by state law, including the implied warranties of merchantability and fitness for a particular purpose, are expressly limited to the duration of the limited warranties set forth above. With the exception of any warranties implied by state law as hereby limited, the foregoing warranty is exclusive and in lieu of all other warranties, guarantees, agreements and similar obligations of manufacturer or seller with respect to the repair or replacement of any parts. In no event shall TACP/THI be liable for consequential or incidental damages.
No person, agent, distributor, dealer or company is authorized to change, modify or extend the terms of these warranties in any manner whatsoever. The time within which an action must be commenced to enforce any obligation of TACP/THI arising under the warranty or under any statute, or law of the Unite States or any state thereof, is hereby limited to ninety (90) days from the date you discover or should have discovered the defect. This limitation does not apply to implied warranties arising under state law.
This warranty gives you specific legal rights and you may also have other rights, which may vary from state to state. Some states do not allow limitation on how long an implied warranty lasts, when an action may be brought, or the exclusion or limitation of incidental or consequential damages, so the above provisions may not apply to you.

ATTENTION CANADIAN CONSUMERS: (Toshiba Canada "TCL")
Canadian consumers are requested to complete the special Canadian "Warranty Registration Form" enclosed, and forward this completed form with a copy of bill of sale to TOSHIBA OF CANADA to "Register and Validate" their warranty. Product must be purchased from an Authorized Canadian Dealer.

IMPORTANT: PACKING AND SHIPPING INSTRUCTION
When you send the product to a Service Station, you must use the original carton box and packing material, then insert the original carton box containing the unit into another carton, using more packing material.

Products purchased in the U.S.A. and used in Canada are not covered by these warranties.

Products purchased in Canada and used in the U.S.A. are not covered by these warranties.

TOSHIBA

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